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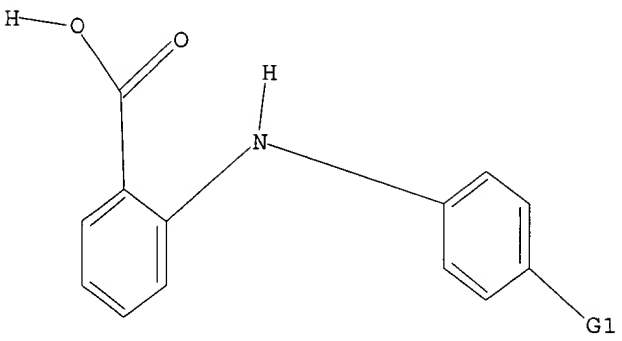

G1 O,S

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED -     56 TO ITERATE

100.0% PROCESSED      56 ITERATIONS                              13 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          672 TO     1568
PROJECTED ANSWERS:              44 TO      476

L2            13 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 12:21:19 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    996 TO ITERATE

100.0% PROCESSED     996 ITERATIONS                             218 ANSWERS
SEARCH TIME: 00.00.01

L3           218 SEA SSS FUL L1

=> FIL CAPLUS
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               148.15     148.57

FILE 'CAPLUS' ENTERED AT 12:21:24 ON 14 JAN 2003
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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27	Oct 21	EVENTLINE has been reloaded
NEWS 28	Oct 24	BEILSTEIN adds new search fields
NEWS 29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 31	Nov 18	DKILIT has been renamed APOLLIT
NEWS 32	Nov 25	More calculated properties added to REGISTRY
NEWS 33	Dec 02	TIBKAT will be removed from STN
NEWS 34	Dec 04	CSA files on STN
NEWS 35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36	Dec 17	TOXCENTER enhanced with additional content
NEWS 37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 38	Dec 30	ISMEC no longer available
NEWS 39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,

Golam Shameem

CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
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NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 12:19:08 ON 14 JAN 2003

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 13 JAN 2003 HIGHEST RN 478909-86-3
DICTIONARY FILE UPDATES: 13 JAN 2003 HIGHEST RN 478909-86-3

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS

Golam Shameem

FILE COVERS 1907 - 14 Jan 2003 VOL 138 ISS 3
FILE LAST UPDATED: 13 Jan 2003 (20030113/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L5          216 L4 AND PY<1999

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L6           73 L5 AND P/DT

=> s l6 and us/pc
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L7           42 L6 AND US/PC

=> s l7 and thu
            125 THU
         2057616 THUS
         2057728 THU
                 (THU OR THUS)
L8           26 L7 AND THU

=> d ibib abs hitstr l7 tot
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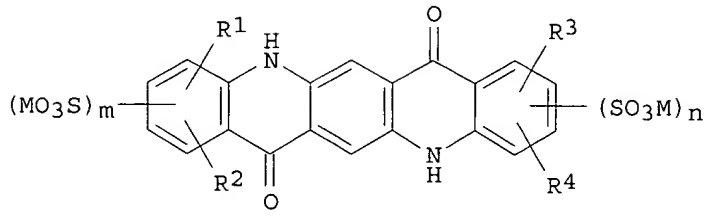
L7 ANSWER 1 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:640306 CAPLUS
DOCUMENT NUMBER: 129:261735
TITLE: Water-soluble quinacridone dyes and their use
INVENTOR(S): Etzbach, Karl-Heinz; Kranz, Carolin; Sens, Rudiger
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9841582	A1	19980924	WO 1998-EP1353	19980309 <--
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19711443	A1	19980924	DE 1997-19711443	19970319 <--
EP 970149	A1	20000112	EP 1998-913688	19980309
EP 970149	B1	20020828		
R: DE, FR, GB, SE, FI				
JP 2001518129	T2	20011009	JP 1998-540088	19980309

US 6152968 A 20001128 US 1999-380615 19990917 <--
PRIORITY APPLN. INFO.: DE 1997-19711443 A 19970319
WO 1998-EP1353 W 19980309
OTHER SOURCE(S): MARPAT 129:261735
GI



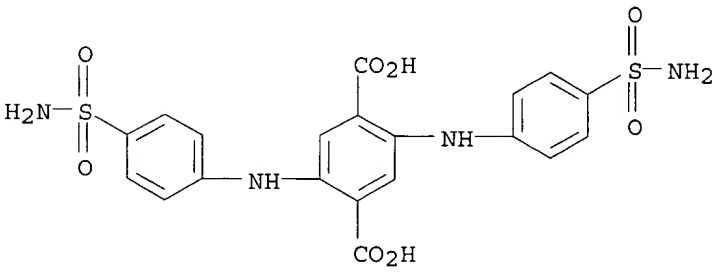
I

AB Water-sol. quinacridones (I; M = Li, K, Na, ammonium; R1, R2, R3, R4 = H, C1-8-alkyl, C1-8-alkoxy, carboxyl, C1-4-alkoxycarbonyl, sulfamoyl, mono- or di-(C1-4)-alkylsulfamoyl, carbamoyl, mono- or di-(C1-4)-alkylcarbamoyl, unsubstituted or substituted mono- or diphenylsulfamoyl, unsubstituted or substituted mono- or diphenylcarbamoyl, halogen, nitro or cyano; m, n = 0-2; sum n + m .gtoreq. 1) and their mixts. are used to dye and print natural and synthetic fiber materials. I may also be used in bulk dyeing of paper and in ink-jet inks and form stable colorant mixts. and wet-fast prints. In an example, 2,5-bis(4-sulfamoylanilino)terephthalic acid was cyclized to 2,9-quinacridonedisulfonic acid, which was obtained in the form of its diammonium salt (.lambda.max 502, 532 nm).

IT **207793-48-4**, 2,5-Bis(4-sulfamoylanilino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; water-sol. quinacridone dyes for paper and ink-jet inks)

RN 207793-48-4 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-(aminosulfonyl)phenyl]amino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:331458 CAPLUS
DOCUMENT NUMBER: 129:17060
TITLE: Incorporation of sulfonated precursors during quinacridone preparation
INVENTOR(S): Badejo, Ibraheem T.; Britanak, John F.; Rice, Daphne

J.
PATENT ASSIGNEE(S): Bayer Corp., USA
SOURCE: U.S., 12 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

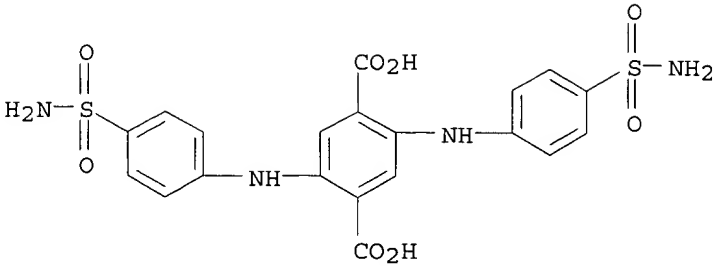
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5755873	A	19980526	US 1996-748742	19961118 <--
EP 842987	A2	19980520	EP 1997-119395	19971106 <--
EP 842987	A3	19980805		
EP 842987	B1	20020904		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 10158536	A2	19980616	JP 1997-327209	19971113 <--

PRIORITY APPLN. INFO.: US 1996-748742 A 19961118
OTHER SOURCE(S): CASREACT 129:17060; MARPAT 129:17060

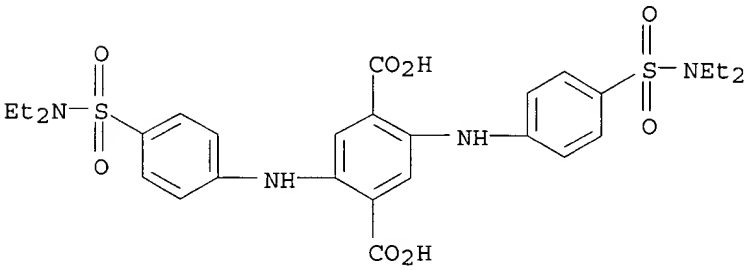
AB The first step for prepg. quinacridone pigments includes heating a reaction mixt. comprising (i) a 2,5-dianilinoterephthalic acid, a 2,5-dianilino-3,6-dihydroterephthalic acid, or a 2,5-dianilino-3,6-dioxo-1,4-cyclohexadiene-1,4-dicarboxylic acid 100, (ii) one or more sulfo- or sulfamoyl-contg. derivs. of 2,5-dianilinoterephthalic acid, 2,5-dianilino-3,6-dihydroterephthalic acid, and/or 2,5-dianilino-3,6-dioxo-1,4-cyclohexadiene-1,4-dicarboxylic acid 0.1-15, and (iii) a dehydrating agent 3-20 parts, with the proviso that if either component (i) or component (ii) is a 2,5-dianilino-3,6-dihydroterephthalic acid or deriv. thereof, then this step addnl. comprises an oxidn. stage. In the second step the reaction mixt. from the first step is drowned with a liq. in which the quinacridone pigment is substantially insol. The final step consists of isolating the pigment. The presence of the sulfonated dicarboxylic acid in the ring closure step provides quinacridone pigments having deeper, brighter masstones and improved transparency and rheol. properties. Examples were given for the prepn. of quinacridone, 2,9-dimethylquinacridone, and gamma-quinacridone, using polyphosphoric acid cyclization catalyst and 2,5-bis(4-sulfamoylanilino)terephthalic acid, 2,5-bis[4-(3,4-dimethyl-5-isoxazolylsulfamoyl)anilino]terephthalic acid, 2,5-bis[4-(diethylsulfamoyl)anilino]terephthalic acid, or di-Me 2,5-bis[4-(3-methoxypropylsulfamoyl)anilino]-1,4-cyclohexadiene-1,4-dicarboxylate.

IT **207793-48-4P**, 2,5-Bis(4-sulfamoylanilino)terephthalic acid
207793-50-8P, 2,5-Bis[4-(diethylsulfamoyl)anilino]terephthalic acid **207793-52-0P**, 2,5-Bis[4-(3,4-dimethyl-5-isoxazolylsulfamoyl)anilino]terephthalic acid
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(prepn. of quinacridone pigments in presence of sulfonated precursors)

RN 207793-48-4 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-(aminosulfonyl)phenyl]amino]-(9CI) (CA INDEX NAME)

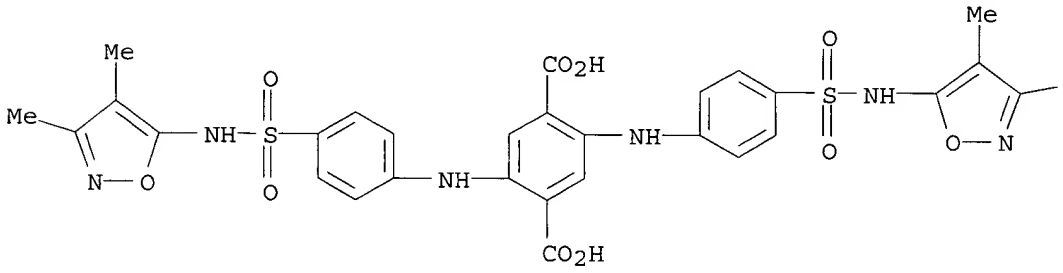


RN 207793-50-8 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-[(diethylamino)sulfonyl]phenyl]amino]- (9CI) (CA INDEX NAME)



RN 207793-52-0 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-[[(3,4-dimethyl-5-isoxazolyl)amino]sulfonyl]phenyl]amino]- (9CI) (CA INDEX NAME)

PAGE 1-A



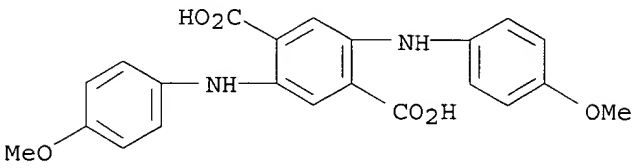
PAGE 1-B

— Me

IT **41680-75-5**, 2,5-Bis(4-methoxyanilino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; prepn. of quinacridone pigments in presence of sulfonated precursors)

Golam Shameem

RN 41680-75-5 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)

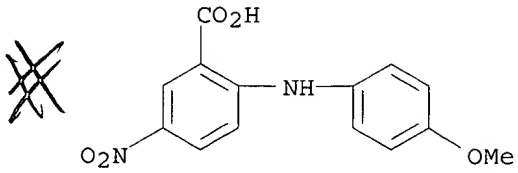


REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:804041 CAPLUS
DOCUMENT NUMBER: 128:22916
TITLE: Synthesis of 1,3-disubstituted quinazolinediones as potential pharmaceuticals
INVENTOR(S): Smith, Adrian Leonard
PATENT ASSIGNEE(S): Merck Sharp & Dohme Limited, UK
SOURCE: Brit. UK Pat. Appl., 13 pp.
CODEN: BAXXDU
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2309456	A1	19970730	GB 1997-628	19970114 <--
US 5783698	A	19980721	US 1997-779498	19970107 <--

PRIORITY APPLN. INFO.: GB 1996-1293 19960123
OTHER SOURCE(S): CASREACT 128:22916
AB This patent application describes a method for the synthesis of 1,3-disubstituted quinazolinedione derivs. comprising: (a) reacting a haloformate functionalized polystyrene resin with a substituted anthranilic acid deriv. to form a urethane-linkage; (b) reacting the product of step (a) with a primary amine to form an anthranilamide deriv.; (c) heating the anthranilamide to effect intramol. cyclization thereby liberating the 1,3-disubstituted quinazolinedione deriv. from the resin into soln.; and (d) isolating the 1,3-disubstituted quinazolinedione by filtration and solvent removal. This invention provides a combinatorial library based upon the quinazolinedione template prepd. according to the above-described synthetic method.
IT **6686-68-6**
RL: RCT (Reactant); RACT (Reactant or reagent)
(synthesis of quinazolinediones as potential pharmaceuticals and combinatorial library based upon quinazolinedione template)
RN 6686-68-6 CAPLUS
CN Benzoic acid, 2-[(4-methoxyphenyl)amino]-5-nitro- (9CI) (CA INDEX NAME)



L7 ANSWER 4 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:732153 CAPLUS
DOCUMENT NUMBER: 127:359968
TITLE: Quinacridone pigments and incorporation of pigment derivatives during their preparation
INVENTOR(S): Badejo, Ibraheem T.; Campos, Margot; Greene, Michael J.; Rice, Daphne J.
PATENT ASSIGNEE(S): Bayer Corporation, USA
SOURCE: Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

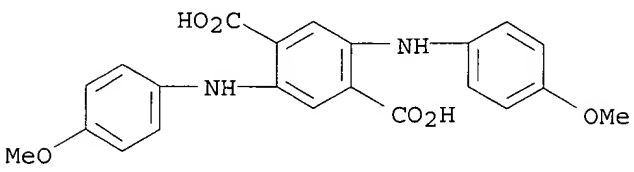
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
EP 805189	A2	19971105	EP 1997-106253	19970416	<--
EP 805189	A3	19980722			
EP 805189	B1	20020710			
R: CH, DE, ES, FR, GB, IT, LI					
US 5713999	A	19980203	US 1996-639598	19960429	<--
CA 2199597	AA	19971029	CA 1997-2199597	19970310	<--
JP 10053714	A2	19980224	JP 1997-121563	19970425	<--

PRIORITY APPLN. INFO.: US 1996-639598 A 19960429
OTHER SOURCE(S): MARPAT 127:359968

AB Quinacridone pigments are prepd. by heating, at 80-145.degree., a reaction mixt. contg. (i) 2,5-dianilinoterephthalic acid, a 2,5-dianilinodihydroterephthalic acid ester, and/or a deriv. thereof, (ii) 3-15 parts per part of component (i), of a dehydrating agent, and (iii) 0.1-15% based on component (i), of one or more non-quinacridone pigments, with the proviso that if component (i) is a 2,5-dianilino-6,13-dihydroterephthalic acid ester or a deriv. thereof, this reaction step addnl. comprises an oxidn. step; (b) drowning the reaction mixt. from step (a) by adding said reaction mixt. to about 3 to about 15 parts by wt., per part of component (a)(i), of a liq. in which the quinacridone pigment is substantially insol.; (c) isolating the quinacridone pigment; (d) optionally, conditioning the quinacridone pigment; and (e) optionally, blending the resultant pigment with one or more quinacridone derivs. The resulting reaction mixt. is drowned by adding it to 3-15 parts per 100 parts (i) of a liq. in which the quinacridone pigment is substantially insol. The quinacridone pigment is then isolated and optionally conditioned and/or blended with one or more quinacridone derivs. This process provides for pigments with improved masstones and rheol. properties. In an example, 2,5-dianilinoterephthalic acid was cyclocondensed with polyphosphoric acid in the presence of copper N-[3-(dimethylamino)propyl]phthalocyaninesulfonamide to give a brilliant violet quinacridone pigment with properties superior to a com. product.

IT **41680-75-5**
RL: RCT (Reactant); RACT (Reactant or reagent)

(starting material; prepn. of quinacridones in presence of other pigments)
RN 41680-75-5 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 5 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:719569 CAPLUS
DOCUMENT NUMBER: 127:359967
TITLE: Quinacridone pigments and incorporation of aromatic polycyclic compounds in their preparation
INVENTOR(S): Badejo, Ibraheem T.; Rice, Daphne J.
PATENT ASSIGNEE(S): Bayer Corporation, USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5683502	A	19971104	US 1996-639599	19960429 <--
CA 2199599	AA	19971029	CA 1997-2199599	19970310 <--
EP 805188	A2	19971105	EP 1997-106254	19970416 <--
EP 805188	A3	19980722		
R: CH, DE, FR, GB, LI				
JP 10053713	A2	19980224	JP 1997-120117	19970424 <--

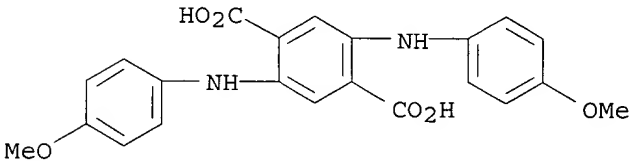
PRIORITY APPLN. INFO.: US 1996-639599 19960429
OTHER SOURCE(S): CASREACT 127:359967; MARPAT 127:359967
AB This invention relates to a multistep process for the prepn. of quinacridone pigments in which the first step (a) is heating, at a temp. of about 80-145.degree., a reaction mixt. contg. (i) 2,5-dianilinoterephthalic acid, a 2,5-dianilino-3,6-dihydroterephthalic acid ester, and/or a deriv. thereof, (ii) about 3-15 parts per part of component (i), of a dehydrating agent, and (iii) about 0.1-15%, based on component (i), of one or more non-pigmentary arom. polycyclic compds. and/or derivs. thereof, with the proviso that if component (i) is a 2,5-dianilino-3,6-dihydroterephthalic acid ester or a deriv. thereof, then reaction step (a) addnl. comprises an oxidn. step. The next step (b) comprises drowning the reaction mixt. from step (a) by adding said reaction mixt. to about 3-15 parts, per part of component (i), of a liq. in which the quinacridone pigment is substantially insol. The final step(s) consist of (c) isolating the quinacridone pigment; (d) optionally conditioning the quinacridone pigment; and (e) optionally blending the resultant pigment with one or more quinacridone derivs. The process provides pigments having deeper, brighter, and more transparent masstones in addn. to improved rheol. properties. In an example, 2,5-bis(4-methylanilino)terephthalic acid was cyclized in polyphosphoric

acid contg. anthraquinone and the product was drowned in MeOH to give magenta 2,9-dimethylquinacridone with better rheol. properties than a com. pigment.

IT **41680-75-5**, 2,5-Bis(4-methoxyanilino)terephthalic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; prepn. of quinacridone pigments with improved properties)

RN 41680-75-5 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)

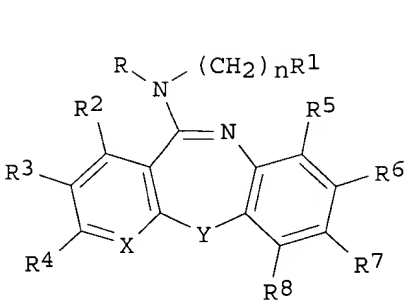


L7 ANSWER 6 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:145240 CAPLUS
DOCUMENT NUMBER: 126:157525
TITLE: Tricyclic inhibitors of protein farnesyltransferase
INVENTOR(S): Bolton, Gary Louis; Doherty, Annette Marian; Kaltenbronn, James Stanley; Quin, John, III; Scholten, Jeffrey D.; Sebolt-Leopold, Judith; Zinnes, Harold
PATENT ASSIGNEE(S): Warner-Lambert Company, USA; Bolton, Gary Louis; Doherty, Annette Marian; Kaltenbronn, James Stanley; Quin, John, III; Scholten, Jeffrey D.; Sebolt-Leopold, Judith; Zinnes, Harold
SOURCE: PCT Int. Appl., 82 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

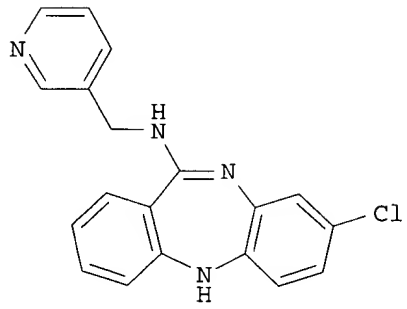
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9700252	A1	19970103	WO 1996-US8528	19960604	<--
W: AU, BG, CA, CN, CZ, EE, GE, HU, IL, JP, KR, LT, LV, MX, NO, NZ, PL, RO, SG, SI, SK, UA, US, UZ, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE					
AU 9660342	A1	19970115	AU 1996-60342	19960604	<--
US 5919780	A	19990706	US 1997-981505	19971211	<--

PRIORITY APPLN. INFO.: US 1995-913P P 19950616
WO 1996-US8528 W 19960604

OTHER SOURCE(S): MARPAT 126:157525
GI



I



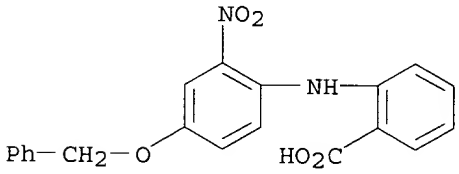
II

AB Title compds. I [wherein X = N or CR9; Y = NR10, CH2, O, S, SO, SO2, C:O, or CH(OH); R = H or alkyl; R1 = heteroaryl; n = 1-5; R2-R10 = H or various substituents] are useful as inhibitors of protein farnesyltransferase (PFT), and thus for the treatment of proliferative diseases including cancer, restenosis and psoriasis, and as antiviral agents. For example, condensation of 8-chloro-5,10-dihydrodibenzo[b,e][1,4]diazepine-11-one with 3-(aminomethyl)pyridine in refluxing EtOCH2CH2OH gave 80% title compd. II. Eighteen I were prepd. and tested for PFT inhibiting and anticancer activity. In two in vitro bioassays, II had IC50 values of 3.7 and 5.0 .mu.M against PFT.

IT **167892-62-8P**, N-[2-Nitro-4-(benzyloxy)phenyl]anthranilic acid
167892-63-9P, N-[2-Amino-4-(benzyloxy)phenyl]anthranilic acid
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; prepn. of tricyclic inhibitors of protein farnesyltransferase)

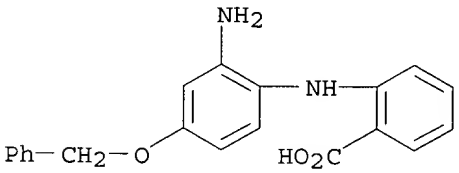
RN 167892-62-8 CAPLUS

CN Benzoic acid, 2-[[2-nitro-4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



RN 167892-63-9 CAPLUS

CN Benzoic acid, 2-[[2-amino-4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)

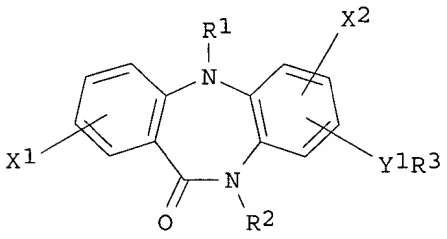


L7 ANSWER 7 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:661142 CAPLUS

DOCUMENT NUMBER: 123:198838
TITLE: Dibenzodiazepine endothelin antagonists
INVENTOR(S): Murugesan, Natesan
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
SOURCE: U.S., 12 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5420123	A	19950530	US 1992-993562	19921221 <--

PRIORITY APPLN. INFO.: US 1992-993562 19921221
OTHER SOURCE(S): MARPAT 123:198838
GI



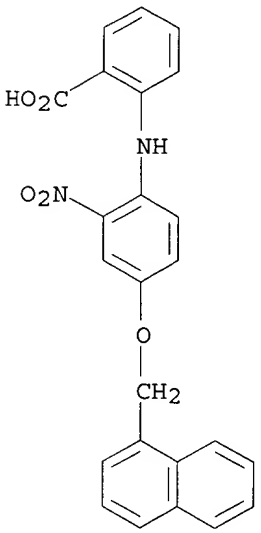
I

AB Dibenzodiazepines I wherein: one of R1 and R2 is Y2CO2H and the other is R; R is (a) hydrogen, (b) alkyl, (c) alkenyl, (d) alkynyl, (e) cycloalkyl, (f) cycloalkenyl, (g) aryl, (h) cycloalkylalkyl, (i) cycloalkenylalkyl, or (j) aralkyl; R3 is aryl or heteroaryl; X1 and X2 are each independently (a) hydrogen, (b) halo or haloalkyl, (c) hydroxy, (d) alkoxy, (e) cyano, (f) nitro, or (g) amino, alkylamino, or dialkylamino; Y1 is (a) a single bond, (b) alkylene, (c) alkenylene, (d) alkynylene, (e) Z1OZ2, (f) Z1C(O)Z2, (g) Z1OC(O)Z2, (h) Z1C(O)OZ2, (i) Z1N(Z3)Z2, (j) Z1C(O)N(H)Z2, (k) Z1N(H)C(O)Z2, (l) Z1C(S)Z2, or (m) Z1SZ2; Y2 is (a) alkylene, (b) alkenylene, (c) alkynylene, (d) Z1OZ2 (wherein Z2 is other than a single bond), (e) Z1C(O)Z2, (f) Z1OC(O)Z2, (g) Z1C(O)OZ2 (wherein Z2 is other than a single bond), (h) Z2C(O)N(H)Z2 (wherein Z2 is other than a single bond), (i) Z1N(H)C(O)Z2, (j) Z1C(S)Z2, or (k) Z1SZ2 (wherein Z2 is other than a single bond); Z1 and Z2 are each independently a single bond, alkylene, alkenylene, or alkynylene; and Z3 is hydrogen, lower alkyl, alkanoyl, aroyl, or aralkanoyl, are disclosed as endothelin antagonists (no data). Thus, e.g., alkylation of 4-bromo-3-nitrophenol with 1-(bromomethyl)naphthalene afforded 2-bromo-5-(1-naphthalenylmethoxy)nitrobenzene (92%); aminolysis of the latter with anthranilic acid afforded 2-nitro-4-(1-naphthalenylmethoxy)diphenylamine-2'-carboxylic acid (95%); redn. to the 2-amino compd. (88%) followed by cyclodehydration afforded 5,11-dihydro-8-(1-naphthalenylmethoxy)-11-oxo-10H-dibenzo[b,e]-1,4-diazepine (48%); alkylation of the latter with Me bromoacetate (69%) followed by sapon. afforded title compd. 5,11-dihydro-8-(1-naphthalenylmethoxy)-11-oxo-10H-dibenzo[b,e]-1,4-diazepine-10-acetic acid (I; X1 = R1 = X2 = H; R2 = CH2CO2H, Y1R3 = 1-naphthalenylmethoxy, 77% yield for sapon. step).

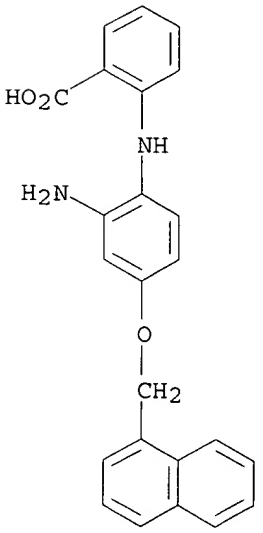
IT **167892-57-1P 167892-58-2P**, 2-Amino-4-(1-naphthalenylmethoxy)diphenylamine-2'-carboxylic acid **167892-62-8P**

, 2-Nitro-4-benzyloxydiphenylamine-2'-carboxylic acid **167892-63-9P**
, 2-Amino-4-benzyloxydiphenylamine-2'-carboxylic acid
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(dibenzodiazepine endothelin antagonists)

RN 167892-57-1 CAPLUS
CN Benzoic acid, 2-[[4-(1-naphthalenylmethoxy)-2-nitrophenyl]amino]- (9CI) (CA INDEX NAME)

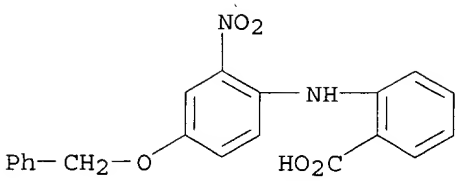


RN 167892-58-2 CAPLUS
CN Benzoic acid, 2-[[2-amino-4-(1-naphthalenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)

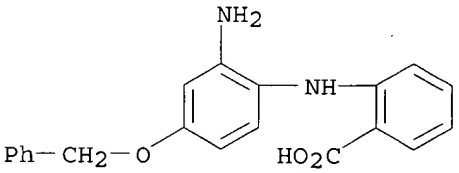


RN 167892-62-8 CAPLUS
CN Benzoic acid, 2-[[2-nitro-4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX

NAME)



RN 167892-63-9 CAPLUS
CN Benzoic acid, 2-[[2-amino-4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 8 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:570871 CAPLUS
DOCUMENT NUMBER: 122:314588
TITLE: Preparation of sulfonamide and sulfonic ester derivatives each having tricyclic heterocyclic ring as antitumor agents
INVENTOR(S): Yoshino, Hiroshi; Ueda, Norihiro; Niijima, Jun; Haneda, Toru; Kotake, Yoshihiko; Yoshimatsu, Kentaro; Watanabe, Tatsuo; Nagasu, Takeshi; Tsukahara, Naoko; et al.
PATENT ASSIGNEE(S): Eisai Co., Ltd., Japan
SOURCE: PCT Int. Appl., 84 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9503279	A1	19950202	WO 1994-JP1231	19940726 <--
W: CA, FI, NO, RU, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2144854	AA	19950202	CA 1994-2144854	19940726 <--
EP 679641	A1	19951102	EP 1994-921819	19940726 <--
EP 679641	B1	20021002		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
JP 08081441	A2	19960326	JP 1994-174643	19940726 <--
AT 225334	E	20021015	AT 1994-921819	19940726
NO 9501108	A	19950523	NO 1995-1108	19950323 <--
US 5834462	A	19981110	US 1995-397254	19950323 <--
FI 9501416	A	19950517	FI 1995-1416	19950324 <--
US 5854274	A	19981229	US 1996-760738	19961205 <--
US 5846969	A	19981208	US 1997-873033	19970611 <--

PRIORITY APPLN. INFO.: JP 1993-202466 A 19930726
JP 1994-158870 A 19940711
WO 1994-JP1231 W 19940726
US 1995-397254 A3 19950323
US 1996-760738 A3 19961205

OTHER SOURCE(S): MARPAT 122:314588

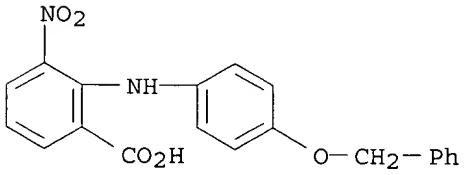
GI For diagram(s), see printed CA Issue.

AB N-heterocyclylarylsulfonamide and heterocyclyl arylsulfonate derivs. each having a tricyclic hetero ring, represented by general formula G-SO2-L-M [G = a 5- or 6-membered arom. ring; L = O or NR1, wherein R1 = H or lower alkyl; M = a tricyclic structure selected from the members Q - Q5, wherein rings A and B represent each a 5 or 6-membered unsatd. ring; X = NR2 (wherein R2 = H or lower alkyl) or NHCO; Y = O, S(O)n, CR3R4, CO, NR5, CHR6CHR7, CR8:R9, NR10CO, N:CR11, OCHR12, S(O)nCH13, or NR14CHR15; Z = N or CR16, wherein n represents 0, 1 or 2; R3 - R13, R15, R16 = H or lower alkyl; R14 = H, lower alkyl, or lower acyl] are prepd. Thus, 107 mg 1-amino-10H-phenothiazine was dissolved in pyridine and a soln. of 115 mg 4-methoxybenzenesulfonyl chloride in THF was added followed by stirring the mixt. overnight at room temp. to give, after silica gel chromatog., a title compd. (I) (115 mg). I and phenothiazin-3-one deriv. (II) showed IC50 of 0.11 and 0.016 .mu.g/mL against KB cells (human nasal cavity cancer). A total of 49 I were prepd.

IT **163308-33-6P**, 2-[(4-Benzyloxyphenyl)amino]-3-nitrobenzoic acid
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate for prepn. of N-heterocyclylarylsulfonamide as antitumor agent)

RN 163308-33-6 CAPLUS

CN Benzoic acid, 3-nitro-2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 9 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:264633 CAPLUS
DOCUMENT NUMBER: 122:55722
TITLE: Preparation of 4-anilino-2,6-di-tert-butylphenols as allergy inhibitors.
INVENTOR(S): Scherrer, Robert A.
PATENT ASSIGNEE(S): Riker Laboratories, Inc., USA
SOURCE: U.S., 15 pp. Cont.-in-part of U.S. Ser. No. 757,358.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5347036	A	19940913	US 1993-67636	19930526 <--
ZA 8605090	A	19880224	ZA 1986-5090	19860708 <--

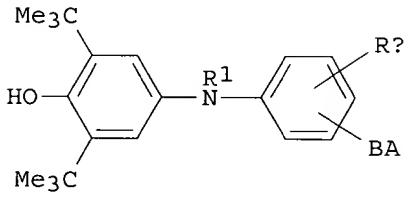
IL 79376	A1	19910512	IL 1986-79376	19860709 <--
IL 94750	A1	19910512	IL 1986-94750	19860709 <--
IL 94751	A1	19910512	IL 1986-94751	19860709 <--
AU 8660085	A1	19870129	AU 1986-60085	19860711 <--
AU 585626	B2	19890622		
DK 8603447	A	19870123	DK 1986-3447	19860721 <--
DK 170666	B1	19951127		
NO 8602924	A	19870123	NO 1986-2924	19860721 <--
NO 172230	B	19930315		
NO 172230	C	19930623		
ES 2000368	A6	19880216	ES 1986-457	19860722 <--
JP 63045243	A2	19880226	JP 1986-172657	19860722 <--
JP 06067884	B4	19940831		
CA 1283419	A1	19910423	CA 1986-514378	19860722 <--
CA 1295336	A2	19920204	CA 1990-615810	19900808 <--
CA 1295337	A2	19920204	CA 1990-615811	19900808 <--
CA 1333618	A1	19941220	CA 1990-615812	19900808 <--
US 5237070	A	19930817	US 1991-701676	19910516 <--
JP 07053485	A2	19950228	JP 1994-41142	19940311 <--
JP 2515486	B2	19960710		
US 5416113	A	19950516	US 1994-263390	19940622 <--
US 5495043	A	19960227	US 1995-435585	19950505 <--
US 5498745	A	19960312	US 1995-435582	19950505 <--
US 5527824	A	19960618	US 1995-437143	19950505 <--

PRIORITY APPLN. INFO.:

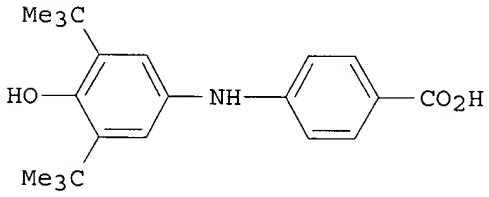
US 1985-757358	19850722
US 1986-879365	19860627
IL 1986-79376	19860709
CA 1986-514378	19860722
US 1993-67636	19930526
US 1994-263390	19940622

OTHER SOURCE(S): MARPAT 122:55722

GI



I



II

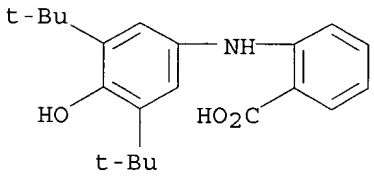
AB Title compds. [I; R = H, alkyl, alkoxy, alkylthio, halo, amino, acyamido, OH; n = 0-2; R1 = H, alkyl, Ac, F3CCO; A = CO2H, (N-methyl)tetrazolyl, CONHSO2CF3; B = bond, (O- or S-interrupted) alkylene, alkenylene, CONHCH2; with provisos], and esters and salts thereof, were prepd. Thus, 2,6-di(tert-butyl)-p-benzoquinone, 4-aminobenzoic acid, and BF3.Et2O were heated in THF to give the monoimine deriv., which was hydrogenated in EtOH over Pd/C to give title compd. II. I showed ED40 .ltoreq.40 mg/kg i.p. in

ovalbumin-induced bronchoconstriction in guinea pigs. I were relatively inactive against cyclooxygenase; some of the imine intermediates showed antiallergic activity.

IT **107858-23-1P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of 4-anilino-2,6-di-tert-butylphenols as allergy inhibitors)

RN 107858-23-1 CAPLUS

CN Benzoic acid, 2-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 10 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1993:628101 CAPLUS
DOCUMENT NUMBER: 119:228101
TITLE: Solid solutions containing two different quinacridone compounds
INVENTOR(S): Zaloum, Charles G.; Greene, Michael J.
PATENT ASSIGNEE(S): Miles Inc., USA
SOURCE: Eur. Pat. Appl., 17 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 544160	A1	19930602	EP 1992-119434	19921113 <--
EP 544160	B1	19970528		
R: CH, DE, FR, GB, LI				
US 5236498	A	19930817	US 1991-799453	19911126 <--
CA 2082466	AA	19930527	CA 1992-2082466	19921109 <--
JP 05295290	A2	19931109	JP 1992-332265	19921119 <--

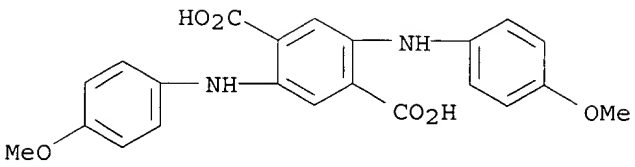
PRIORITY APPLN. INFO.: US 1991-799453 19911126

AB Violet quinacridone compns. comprise 5-75: 5-95 2,9-dimethoxyquinacridone (I) and 2,9-dichloroquinacridone(II) and show x-ray diffraction pattern that is different from the sum of x-ray diffraction patterns of individual I and II. Coatings, inks or plastic molding can be pigmented by the compns. and show good weather fastness.

IT **41680-75-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(ring closure of, in manuf. of composite pigments for coatings, inks and plastic moldings)

RN 41680-75-5 CAPLUS

CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



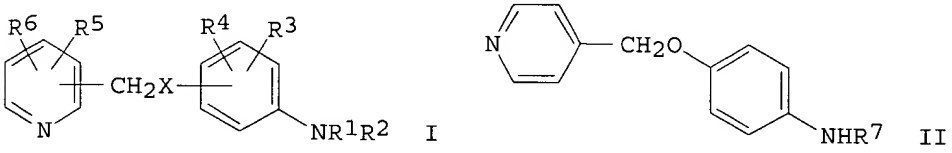
L7 ANSWER 11 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1993:233895 CAPLUS
DOCUMENT NUMBER: 118:233895
TITLE: 2-quinolinyl methoxy compounds, medical uses and intermediates therefor
INVENTOR(S): Nielsen, Ole Bent T.; Ahfelt-Ronne, Ian
PATENT ASSIGNEE(S): Leo Pharmaceutical Products Ltd., Den.
SOURCE: U.S., 23 pp. Cont.-in-part of U.S. 5,109,009.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5157039	A	19921020	US 1990-633390	19901231 <--
US 4826987	A	19890502	US 1986-834542	19860228 <--
US 5109009	A	19920428	US 1990-581121	19900910 <--

PRIORITY APPLN. INFO.:

GB 1985-6094	19850308
GB 1985-25153	19851011
US 1986-834542	19860228
US 1987-140277	19871231
US 1990-581121	19900910

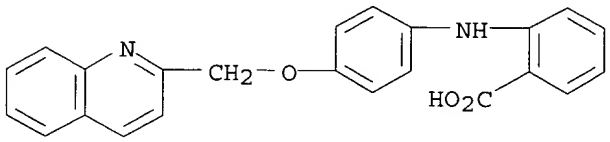
OTHER SOURCE(S): MARPAT 118:233895
GI



AB The title compds. [I; R1, R2 = H, (un)substituted alkyl, aryl, aralkyl; R3-R6 = H, halo, pseudohalo, cyano, NO2, amino, CO2H, OH, alkyl, alkoxy; R5R6 = atoms required to form condensed, (un)substituted arom. ring; X = O, S, SO, SO2] were prepd. as arachidonic acid and histamine inhibitors, and drugs. Thus, 4-AcNHC6H4OH was condensed with 4-(chloromethyl)pyridine-HCl to give acetanilide II (R7 = Ac). This was deacetylated and methylated to give II (R7 = Me). At 10 .mu.M selected I gave 51-100% inhibition of antigen-induced histamine release from rat peritoneal mast cells.

IT **146680-14-0P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as drug)

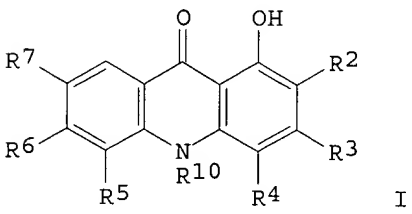
RN 146680-14-0 CAPLUS
CN Benzoic acid, 2-[[4-(2-quinolinylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 12 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1993:38775 CAPLUS
DOCUMENT NUMBER: 118:38775
TITLE: Preparation of multisubstituted 1-hydroxy-9-acridones with anticancer activity
INVENTOR(S): Long-Su, Tsann; Watanabe, Kyoichi A.
PATENT ASSIGNEE(S): Sloan-Kettering Institute for Cancer Research, USA
SOURCE: PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
WO 9216509	A1	19921001	WO 1992-US2339	19920318	<--
W: AU, CA, JP, KR					
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE					
US 5296602	A	19940322	US 1991-671126	19910318	<--
AU 9216761	A1	19921021	AU 1992-16761	19920318	<--

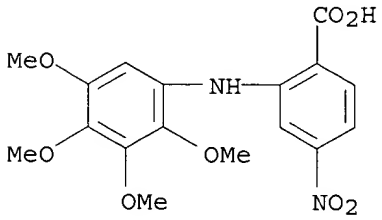
PRIORITY APPLN. INFO.: US 1991-671126 19910318
WO 1992-US2339 19920318
OTHER SOURCE(S): MARPAT 118:38775
GI



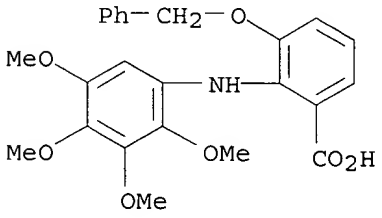
I

AB Title compds. I (R2, R3 = H, (unsatd.) C1-5 alkyl, HO, (unsatd.) C1-5 alkoxy, O-alkoxy-C1-5-alkyl, O-aryloxy-C1-5-alkyl, O-acyl, O-aroyl, O-aryl; R4 = H, (unsatd.) C1-5 alkyl, HO, HOCH2, C1-5 alkoxy, etc.; R5-R7 = H, (unsatd.) C1-5 alkyl, sulfate, phosphate, HO, O-alkoxy-C1-5-alkyl, etc.; R10 = (unsatd.) C1-5 alkyl, amino-C1-5-alkyl, N-alkylamino, alkyl, etc.), some of which are prepd., are given. 6-(Benzyloxy)-10-methyl-1,2,3,4,5-pentamethoxy-9-acridone (prepn. given) in MeOH contg. concd. HCl was refluxed for 14 h to give I (R2-R5 = MeO, R6 = PhCH2O, R7 = R8 = H, R10 = Me).

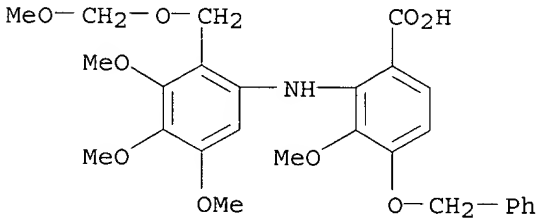
IT **142004-03-3 145183-07-9 145183-08-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(intermediate for substituted hydroxyacridone anticancer agents)
RN 142004-03-3 CAPLUS
CN Benzoic acid, 4-nitro-2-[(2,3,4,5-tetramethoxyphenyl)amino]- (9CI) (CA INDEX NAME)



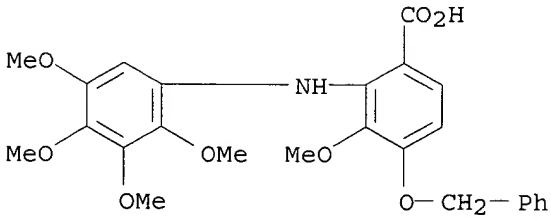
RN 145183-07-9 CAPLUS
CN Benzoic acid, 3-(phenylmethoxy)-2-[(2,3,4,5-tetramethoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 145183-08-0 CAPLUS
CN Benzoic acid, 3-methoxy-4-(phenylmethoxy)-2-[[3,4,5-trimethoxy-2-[(methoxymethoxy)methyl]phenyl]amino]- (9CI) (CA INDEX NAME)



IT **135082-42-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, in prepn. of anticancer agents)
RN 135082-42-7 CAPLUS
CN Benzoic acid, 3-methoxy-4-(phenylmethoxy)-2-[(2,3,4,5-tetramethoxyphenyl)amino]- (9CI) (CA INDEX NAME)



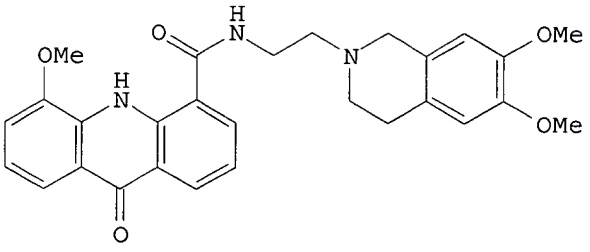
L7 ANSWER 13 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1992:633873 CAPLUS
DOCUMENT NUMBER: 117:233873
TITLE: N-Phenyl-9-oxoacridine-4-carboxamides, methods for their preparation and their use as neoplasm inhibitors and for increasing the sensitivity toward an antitumor drug or reversal of resistance to an antitumor drug
INVENTOR(S): Dumaitre, Bernard Andre; Dodic, Nerina
PATENT ASSIGNEE(S): Laboratoires Glaxo SA, Fr.
SOURCE: Eur. Pat. Appl., 82 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 494623	A1	19920715	EP 1992-100123	19920107 <--
R: PT				
CA 2100258	AA	19920712	CA 1992-2100258	19920107 <--
WO 9212132	A1	19920723	WO 1992-EP20	19920107 <--
W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG				
AU 9211543	A1	19920817	AU 1992-11543	19920107 <--
AU 652996	B2	19940915		
EP 569380	A1	19931118	EP 1992-901861	19920107 <--
EP 569380	B1	19970528		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
JP 06506440	T2	19940721	JP 1992-501671	19920107 <--
JP 2783680	B2	19980806		
HU 68856	A2	19950828	HU 1993-1989	19920107 <--
PL 168202	B1	19960131	PL 1992-299989	19920107 <--
PL 169396	B1	19960731	PL 1992-307547	19920107 <--
AT 153660	E	19970615	AT 1992-901861	19920107 <--
ES 2104887	T3	19971016	ES 1992-901861	19920107 <--
CZ 283038	B6	19971217	CZ 1993-1378	19920107 <--
RU 2119482	C1	19980927	RU 1993-51543	19920107 <--
SK 280864	B6	20000814	SK 1993-730	19920107
ZA 9200183	A	19921028	ZA 1992-183	19920110 <--
IL 100631	A1	19960912	IL 1992-100631	19920110 <--
CN 1081181	A	19940126	CN 1992-109524	19920710 <--
CN 1042421	B	19990310		
NO 9302512	A	19930909	NO 1993-2512	19930709 <--
US 5604237	A	19970218	US 1995-468620	19950606 <--

PRIORITY APPLN. INFO.: GB 1991-628 A 19910111

GB 1991-637	A	19910111
GB 1991-15956	A	19910724
GB 1991-15981	A	19910724
WO 1992-EP20	A	19920107
US 1993-84258	B1	19930726
US 1994-348946	A1	19941125

OTHER SOURCE(S): CASREACT 117:233873; MARPAT 117:233873
GI



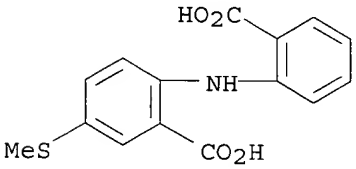
I

AB Certain N-phenyl-9-oxoacridine-4-carboxamide derivs. are claimed. The use of said compds. for the treatment of cancer, increasing the sensitivity toward an antitumor drug or to reverse the resistance to an antitumor drug is claimed. Pharmaceuticals contg. known neoplasm inhibitors, (alkaloids, anthracyclins, etc.) (i.e., drugs having a cross-resistance with the above drugs characterized by a multi drug-resistant phenotype) and said N-phenyl-9-oxoacridine-4-carboxamide derivs. are claimed. Thus, 9,10-dihydro-5-methoxy-9-oxo-N-[4-[2-(1,2,3,4-tetrahydro-6,7-dimethoxy-2-isoquinolinyl)ethyl]phenyl]-4-acridinecarboxamide (I) was prepd. in a multistep synthesis. I had cytotoxic activity in multidrug-resistant chinese hamster ovary cells.

IT **143667-03-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn . of, as intermediate for N-phenyloxoacridinecarboxamide deriv. (neoplasm inhibitor))

RN 143667-03-2 CAPLUS

CN Benzoic acid, 2-[(2-carboxyphenyl)amino]-5-(methylthio)- (9CI) (CA INDEX NAME)



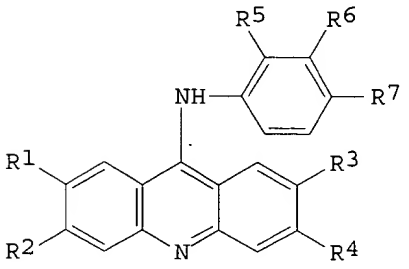
L7 ANSWER 14 OF 42 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER:	1991:607871 CAPLUS
DOCUMENT NUMBER:	115:207871
TITLE:	Potential anticancer agents derived from acridine
INVENTOR(S):	Watanabe, Kyoichi A.; Takahashi, Kiyobumi
PATENT ASSIGNEE(S):	Sloan-Kettering Institute for Cancer Research, USA
SOURCE:	PCT Int. Appl., 124 pp. CODEN: PIXXD2

DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9105770	A1	19910502	WO 1990-US5958	19901017 <--
W: AU, CA, HU, JP, KR, SU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
AU 9066260	A1	19910516	AU 1990-66260	19901017 <--
US 5229395	A	19930720	US 1991-754283	19910830 <--
PRIORITY APPLN. INFO.:			US 1989-422629	19891017
			WO 1990-US5958	19901017

OTHER SOURCE(S): MARPAT 115:207871
GI

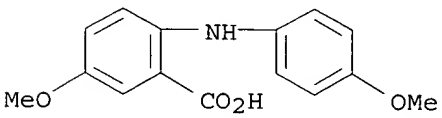


I

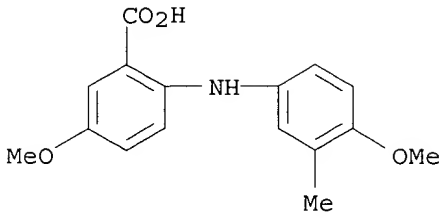
AB Numerous title compds. I [R1-R4 = H, lower alkyl, lower alkoxy; R5-R7 = H, (CH2)nOH, (CH2)nO2CNR8R9, R8,R9 = H, lower alkyl, n = 1-4] were prepd. from o-chlorobenzoic acids by sequential substitution with anilines, conversion to the piperides, cyclization by POCl3 to 9-chloroacridines, substitution by (hydroxyalkyl)anilines and optional conversion to carbamates.

IT **56980-14-4P 135753-41-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and conversion to piperide)

RN 56980-14-4 CAPLUS
CN Benzoic acid, 5-methoxy-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 135753-41-2 CAPLUS
CN Benzoic acid, 5-methoxy-2-[(4-methoxy-3-methylphenyl)amino]- (9CI) (CA INDEX NAME)



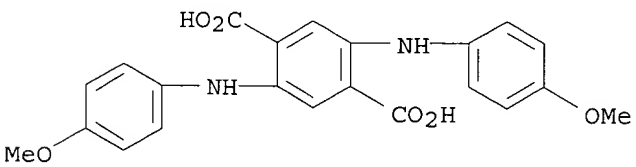
L7 ANSWER 15 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1991:6021 CAPLUS
DOCUMENT NUMBER: 114:6021
TITLE: Preparation of 2,5-diarylaminoterephthalic acids
INVENTOR(S): Schuetze, Detlef Ingo; Schmitz, Reinold
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Eur. Pat. Appl., 8 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

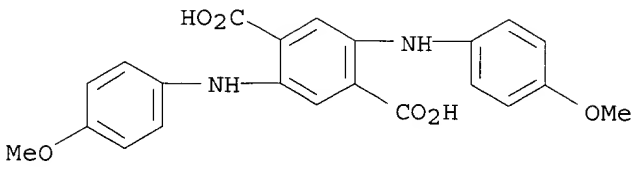
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 363756	A2	19900418	EP 1989-118109	19890929 <--
EP 363756	A3	19910327		
EP 363756	B1	19921202		
R: CH, DE, FR, GB, LI				
DE 3834747	A1	19900503	DE 1988-3834747	19881012 <--
US 4981997	A	19910101	US 1989-414825	19890929 <--
JP 02169556	A2	19900629	JP 1989-264105	19891012 <--
JP 2882535	B2	19990412		

PRIORITY APPLN. INFO.: DE 1988-3834747 19881012
OTHER SOURCE(S): CASREACT 114:6021; MARPAT 114:6021

AB The title compds., which are useful as intermediates in the prodn. of violet or red quinacridone pigments, are prepd. by oxidn. of 2,5-diarylamino-3,6-dihydroterephthalic acid esters with O or O-contg. gases, preferably air, in alc. alk. or alc. aq. alk. soln. or suspension in the presence of an O-transporting agent and a quaternary ammonium compd. Thus, 2,5-dianilinoterephthalic acid (I) was prepd. by passing air through a suspension contg. di-Et 2,5-dianilinoterephthalate, 14% aq. NaOH, anthraquinone-2-sulfonic acid, dodecylbenzyldimethylammonium chloride, and MeOH. The yield of I was 99%.

IT **41680-75-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for quinone pigments)
RN 41680-75-5 CAPLUS
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)

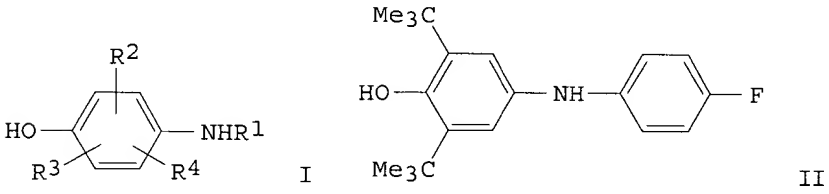




L7 ANSWER 16 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1988:510014 CAPLUS
DOCUMENT NUMBER: 109:110014
TITLE: Antiinflammatory and lipoxygenase-inhibiting 4-(phenylamino)phenols, their formulations, and a process for their preparation
INVENTOR(S): Hashimoto, Kinji; Goto, Kiyoto; Kanai, Kenichi; Tsuda, Yoshiaki
PATENT ASSIGNEE(S): Otsuka Pharmaceutical Factory, Inc., Japan
SOURCE: Eur. Pat. Appl., 78 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

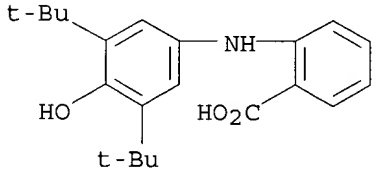
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 263229	A1	19880413	EP 1987-101109	19870127 <--
R: CH, DE, ES, FR, GB, IT, LI, NL, SE				
JP 63083052	A2	19880413	JP 1986-230484	19860929 <--
JP 06010174	B4	19940209		
US 4906662	A	19900306	US 1987-7044	19870127 <--
US 4906662	B1	19920714	US 1991-90002376	19910624 <--

PRIORITY APPLN. INFO.: JP 1986-230484 19860929
US 1987-7044 19870127
OTHER SOURCE(S): CASREACT 109:110014; MARPAT 109:110014
GI

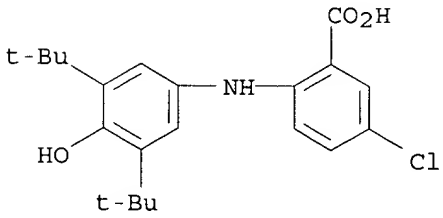


AB (Phenylamino)phenols I [R1 = (un)substituted Ph; R2, R3 = C1-6 alkyl; R4 = H, C1-6 alkyl; R3R4 = (CH2)4] are prepd. as antiinflammatory agents and lipoxygenase inhibitors. A soln. of 2,6-di-tert-butyl-1,4-benzoquinone, p-FC6H4NH2, and BF3.Et2O in THF was refluxed for 6 h, cooled, dild. with H2O, and treated with aq. Na2S2O4 at room temp. to give di-tert-butyl(fluorophenylamino)phenol II. In the carrageenin-induced rat paw edema test, II gave 57% inhibition at 100 mg/kg orally (cf. 62% by indomethacin at 5 mg/kg). An injectable soln. in a 5-mL ampul contained 200 mg of a I compd. and 250 mg glucose in H2O under N.
IT **107858-23-1P 110647-69-3P 110647-70-6P**

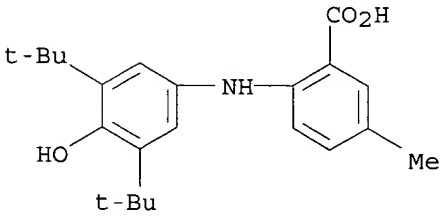
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as antiinflammatory and/or lipoxygenase inhibitor)
RN 107858-23-1 CAPLUS
CN Benzoic acid, 2-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]amino]- (9CI) (CA INDEX NAME)



RN 110647-69-3 CAPLUS
CN Benzoic acid, 2-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]amino]-5-chloro- (9CI) (CA INDEX NAME)



RN 110647-70-6 CAPLUS
CN Benzoic acid, 2-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]amino]-5-methyl- (9CI) (CA INDEX NAME)



L7 ANSWER 17 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1987:196034 CAPLUS
DOCUMENT NUMBER: 106:196034
TITLE: Arylamino-substituted-di-t-butylphenols as drugs
INVENTOR(S): Scherrer, Robert A.
PATENT ASSIGNEE(S): Riker Laboratories, Inc., USA
SOURCE: Eur. Pat. Appl., 45 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 212848	A2	19870304	EP 1986-305515	19860717 <--
EP 212848	A3	19871216		
EP 212848	B1	19901205		
R: BE, CH, DE, FR, GB, IT, LI, NL, SE				
ZA 8605090	A	19880224	ZA 1986-5090	19860708 <--
IL 79376	A1	19910512	IL 1986-79376	19860709 <--
IL 94750	A1	19910512	IL 1986-94750	19860709 <--
IL 94751	A1	19910512	IL 1986-94751	19860709 <--
AU 8660085	A1	19870129	AU 1986-60085	19860711 <--
AU 585626	B2	19890622		
DK 8603447	A	19870123	DK 1986-3447	19860721 <--
DK 170666	B1	19951127		
NO 8602924	A	19870123	NO 1986-2924	19860721 <--
NO 172230	B	19930315		
NO 172230	C	19930623		
ES 2000368	A6	19880216	ES 1986-457	19860722 <--
JP 63045243	A2	19880226	JP 1986-172657	19860722 <--
JP 06067884	B4	19940831		
CA 1283419	A1	19910423	CA 1986-514378	19860722 <--
CA 1295336	A2	19920204	CA 1990-615810	19900808 <--
CA 1295337	A2	19920204	CA 1990-615811	19900808 <--
CA 1333618	A1	19941220	CA 1990-615812	19900808 <--
US 5237070	A	19930817	US 1991-701676	19910516 <--
JP 07053485	A2	19950228	JP 1994-41142	19940311 <--
JP 2515486	B2	19960710		
US 5495043	A	19960227	US 1995-435585	19950505 <--
US 5498745	A	19960312	US 1995-435582	19950505 <--
US 5527824	A	19960618	US 1995-437143	19950505 <--

PRIORITY APPLN. INFO.:

US 1985-757358	19850722
US 1986-879365	19860627
IL 1986-79376	19860709
CA 1986-514378	19860722
US 1994-263390	19940622

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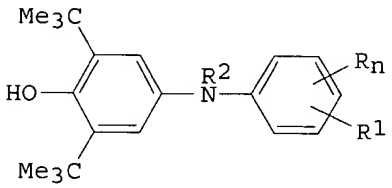
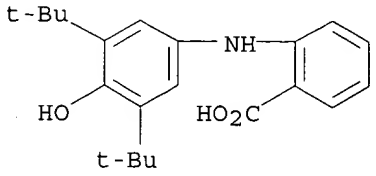


I

AB The title compds. [I; R = H, alkyl, alkoxy, alkylthio, halo, (di)(alkyl)amino, acylamido, OH; R1 = (modified) carboxylate, carboxyalkyl, tetrazolyl, etc.; R2 = H, alkyl, acetyl, trifluoroacetyl; n = 0-2] were prepd. as lipoxygenase inhibitors. 2,6-Di(tert-butyl)-p-benzoquinone was refluxed with 3-H2NC6H4CO2H and BF3.Et2O in THF to give an iminoquinone, which was hydrogenated over Pd/C to give 3-[3,5-di-(tert-butyl)-4-hydroxyanilino]benzoic acid (II). II was an effective bronchodilator in the small airways of guinea pigs.

IT **107858-23-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as leukotriene synthesis inhibitor)

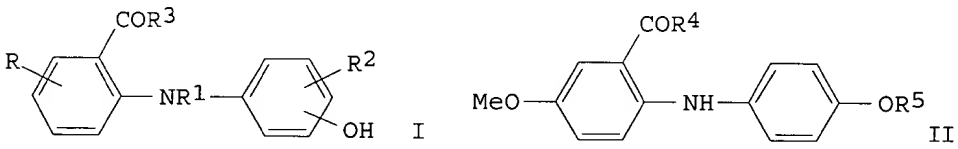
RN 107858-23-1 CAPLUS
CN Benzoic acid, 2-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 18 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1986:109221 CAPLUS
DOCUMENT NUMBER: 104:109221
TITLE: Substituted aminophenyl alkyl ketones and their use
INVENTOR(S): Bailey, Denis M.
PATENT ASSIGNEE(S): Sterling Drug, Inc., USA
SOURCE: U.S., 6 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4539429	A	19850903	US 1983-512791	19830711 <--

PRIORITY APPLN. INFO.: US 1983-512791 19830711
OTHER SOURCE(S): CASREACT 104:109221
GI



AB Hydroxyphenylaminophenylalkanones I (R = H, alkyl, alkoxy, halo; R1 = H, alkyl; R2 = H, alkyl, halo; R3 = alkyl) were prepd. as antiasthmatics. Thus, 31 g 2,5-Br(MeO)C6H3CO2H and 262 g 4-PhCH2OC6H4NH2.HCl reacted in the presence of K2CO3 and powd. Cu to give 245 g acid II (R4 = OH, R5 = CH2Ph), which (25.49 g) reacted with excess MeLi to give 16.1 g ketone II (R4 = Me, R5 = CH2Ph). Hydrogenolysis of the latter compd. (9 g) gave 5.33 g II (R4 = Me, R5 = H) (III). At 1 .mu.M in an homogenized suspension of rat basophilic leukemia cells, III gave 36% and 88% inhibition of cyclooxygenase and lipoxygenase, resp.

IT **21971-19-7P 54197-69-2P 98156-62-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, with methyllithium)

RN 21971-19-7 CAPLUS
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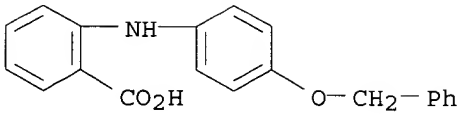

RN 54197-69-2 CAPLUS
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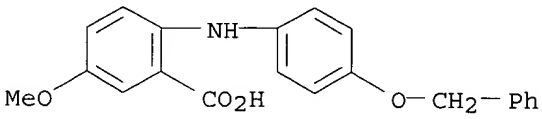

RN 98156-62-8 CAPLUS
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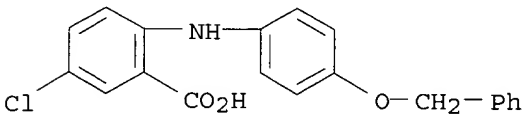
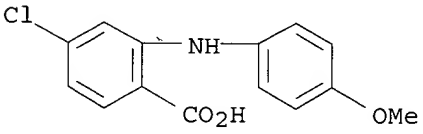


IT **91-38-3P 94631-72-8P 94631-74-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 91-38-3 CAPLUS
CN Benzoic acid, 4-chloro-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 94631-72-8 CAPLUS
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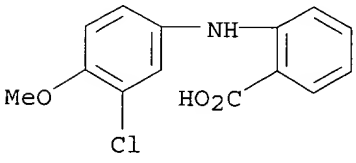

RN 94631-74-0 CAPLUS
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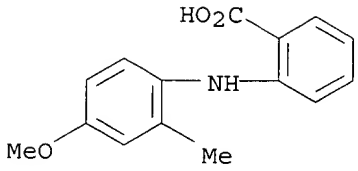
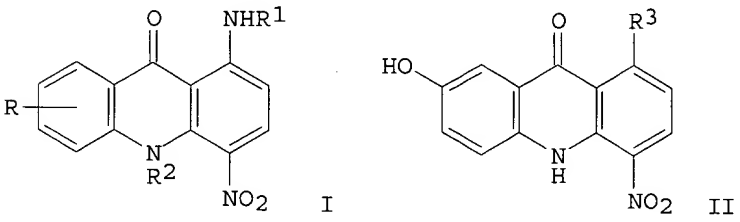


L7 ANSWER 19 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1985:615182 CAPLUS
DOCUMENT NUMBER: 103:215182
TITLE: Substituted 1-amino-4-nitroacridinones and pharmaceutical compositions comprising them
INVENTOR(S): Capps, David Bridgeman
PATENT ASSIGNEE(S): Warner-Lambert Co. , USA
SOURCE: Eur. Pat. Appl., 56 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
EP 145226	A2	19850619	EP 1984-307491	19841031	<--
EP 145226	A3	19850710			
EP 145226	B1	19881005			
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE					
US 4626540	A	19861202	US 1984-658100	19841010	<--
CA 1258856	A1	19890829	CA 1984-466109	19841023	<--
AT 37713	E	19881015	AT 1984-307491	19841031	<--
AU 8435131	A1	19850516	AU 1984-35131	19841106	<--
AU 573639	B2	19880616			
DK 8405294	A	19850509	DK 1984-5294	19841107	<--
JP 60136567	A2	19850720	JP 1984-233386	19841107	<--
ES 537440	A1	19851216	ES 1984-537440	19841107	<--

PRIORITY APPLN. INFO.: US 1983-549709 19831108
US 1984-658100 19841010
EP 1984-307491 19841031
OTHER SOURCE(S): CASREACT 103:215182
GI

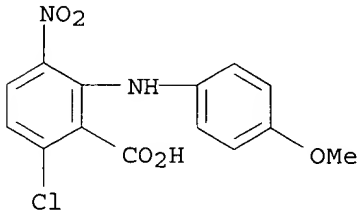


AB Acridones I [R = H, OH, Cl, alkoxy, alkoxycarbonyloxy, alkanoyloxy, alkyl (un)substituted amino; R1 = aminoalkyl, piperidinoalkyl, pyrrolidinoalkyl, aminoalkyl-N-oxide; R2 = H, alkyl], useful as bactericides and antitumor agents, were prepd. Thus, chloroacridinone II (R3 = Cl) was treated with

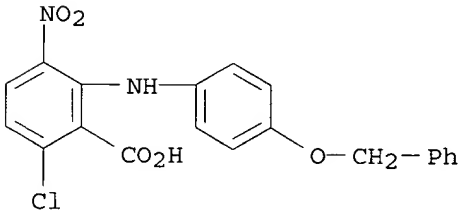
Me2N(CH2)3NH2 to give II [R3 = NH(CH2)3NMe2] (III). At 6.25 mg/kg i.p. daily for 5 days in mice, III increased the survival time 234% over untreated controls.

IT **55776-09-5P 99009-51-5P 99009-56-0P 99009-58-2P 99009-60-6P 99009-70-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of, acridinone by)

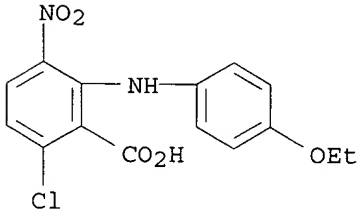
RN 55776-09-5 CAPLUS
CN Benzoic acid, 6-chloro-2-[(4-methoxyphenyl)amino]-3-nitro- (9CI) (CA INDEX NAME)



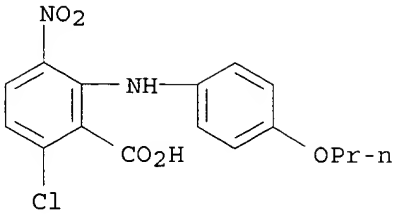
RN 99009-51-5 CAPLUS
CN Benzoic acid, 6-chloro-3-nitro-2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



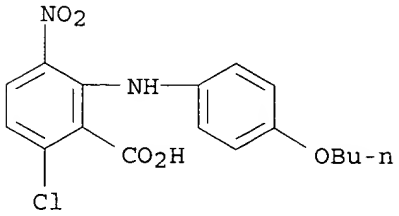
RN 99009-56-0 CAPLUS
CN Benzoic acid, 6-chloro-2-[(4-ethoxyphenyl)amino]-3-nitro- (9CI) (CA INDEX NAME)



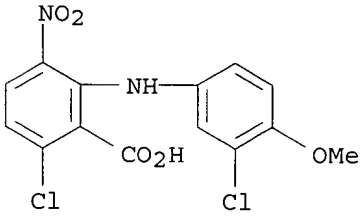
RN 99009-58-2 CAPLUS
CN Benzoic acid, 6-chloro-3-nitro-2-[(4-propoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 99009-60-6 CAPLUS
CN Benzoic acid, 2-[(4-butoxyphenyl)amino]-6-chloro-3-nitro- (9CI) (CA INDEX NAME)



RN 99009-70-8 CAPLUS
CN Benzoic acid, 6-chloro-2-[(3-chloro-4-methoxyphenyl)amino]-3-nitro- (9CI) (CA INDEX NAME)



L7 ANSWER 20 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1985:596074 CAPLUS
DOCUMENT NUMBER: 103:196074
TITLE: Pyrazolo[3,4,5-kl]acridine compounds and pharmaceutical compositions comprising them
INVENTOR(S): Capps, David B.
PATENT ASSIGNEE(S): Warner-Lambert Co. , USA
SOURCE: Eur. Pat. Appl., 102 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 138302	A1	19850424	EP 1984-304784	19840713 <--
EP 138302	B1	19880309		

R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE

US 4555572	A	19851126	US 1984-619258	19840615 <--
CA 1271476	A1	19900710	CA 1984-457484	19840626 <--
AU 8430564	A1	19850124	AU 1984-30564	19840713 <--
AU 569532	B2	19880204		
AT 32897	E	19880315	AT 1984-304784	19840713 <--
DK 8403514	A	19850120	DK 1984-3514	19840718 <--
DK 161384	B	19910701		
DK 161384	C	19920106		
JP 60069084	A2	19850419	JP 1984-147733	19840718 <--
JP 05059916	B4	19930901		
ES 534414	A1	19861201	ES 1984-534414	19840718 <--
US 4588730	A	19860513	US 1985-768310	19850822 <--
ES 550774	A1	19870216	ES 1986-550774	19860110 <--
ES 550775	A1	19870216	ES 1986-550775	19860110 <--
ES 550776	A1	19870301	ES 1986-550776	19860110 <--
ES 550777	A1	19870301	ES 1986-550777	19860110 <--
US 4621086	A	19861104	US 1986-821318	19860122 <--
JP 06041127	A2	19940215	JP 1993-82422	19930318 <--
JP 07030076	B4	19950405		

PRIORITY APPLN. INFO.:

US 1983-515125 19830719
US 1984-619258 19840615
US 1983-545125 19830719
EP 1984-304784 19840713
US 1985-768310 19850822

OTHER SOURCE(S): CASREACT 103:196074

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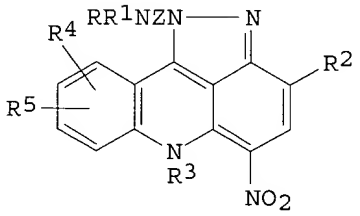

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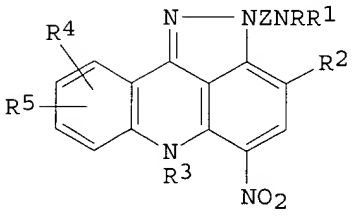
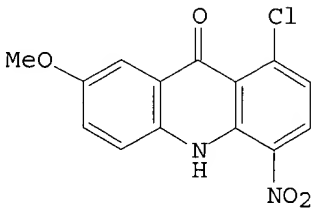


II



III

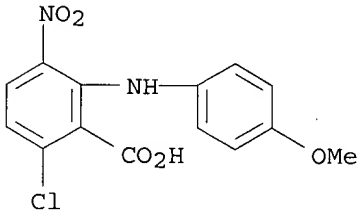
AB The title compds. [I and II; R, R1 = H, alkyl, hydroxyalkyl; RR1N = piperidino, pyrrolidino; R2 = H, NO2; R3 = H, alkyl; R4, R5 = H, alkyl, amino, trialkylsilyloxy, OH, esterified OH, (un)substituted alkoxy, PhCH2O; Z = alkylene] were prepd. Thus, 2,6,3-Cl2(O2N)C6H2CO2H was treated with 4-MeOC6H4NH2 to give 79% 6,3,2-Cl(O2N)(4-MeOC6H4NH)C6H2CO2H. This was cyclized by refluxing in PhCl/POCl3 to give 95% acridinone III, which was cyclocondensed with Et2NCH2CH2NHNH2 to give 79% II (R = R1 = Et, R2-R4 = H, R5 = 9-MeO, Z = CH2CH2) (IV). Mice infected with lymphocytic

leukemia P388 and administered 50 mg IV/kg/day i.p. for 5 days had a life span 167% that of the controls.

IT **55776-09-5P 99009-51-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and chlorination-cyclization of)

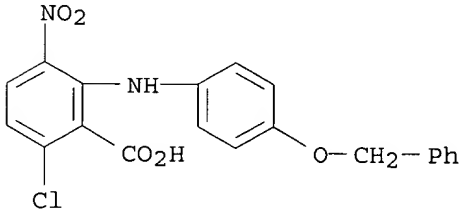
RN 55776-09-5 CAPLUS

CN Benzoic acid, 6-chloro-2-[(4-methoxyphenyl)amino]-3-nitro- (9CI) (CA INDEX NAME)



RN 99009-51-5 CAPLUS

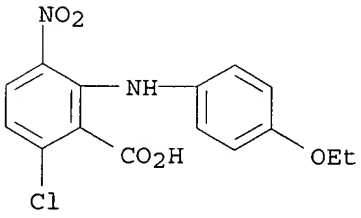
CN Benzoic acid, 6-chloro-3-nitro-2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



IT **99009-56-0P 99009-58-2P 99009-60-6P**
99009-62-8P 99009-64-0P 99009-66-2P
99009-70-8P 99009-77-5P 99009-79-7P
99009-81-1P 99009-83-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of)

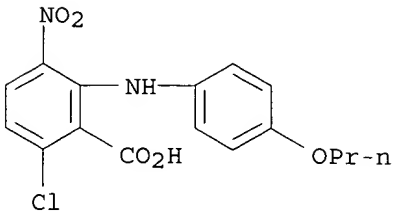
RN 99009-56-0 CAPLUS

CN Benzoic acid, 6-chloro-2-[(4-ethoxyphenyl)amino]-3-nitro- (9CI) (CA INDEX NAME)

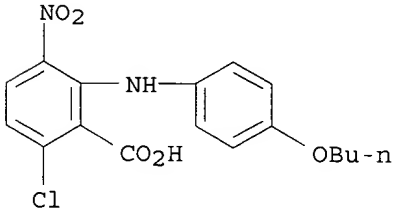


RN 99009-58-2 CAPLUS

CN Benzoic acid, 6-chloro-3-nitro-2-[(4-propoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 99009-60-6 CAPLUS
CN Benzoic acid, 2-[(4-butoxyphenyl)amino]-6-chloro-3-nitro- (9CI) (CA INDEX NAME)



RN 99009-62-8 CAPLUS
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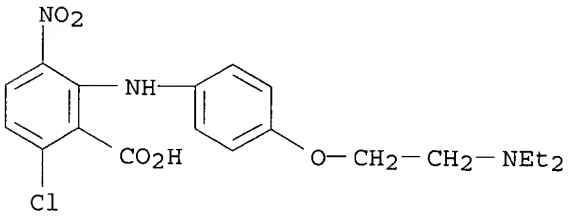

RN 99009-64-0 CAPLUS
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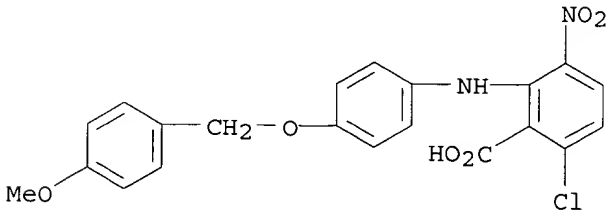

RN 99009-66-2 CAPLUS
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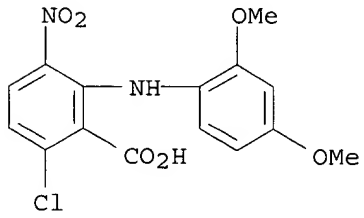
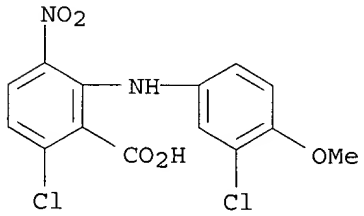


RN 99009-70-8 CAPLUS
CN Benzoic acid, 6-chloro-2-[(3-chloro-4-methoxyphenyl)amino]-3-nitro- (9CI) (CA INDEX NAME)



RN 99009-77-5 CAPLUS
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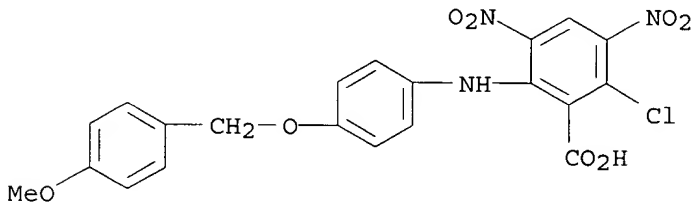

RN 99009-79-7 CAPLUS
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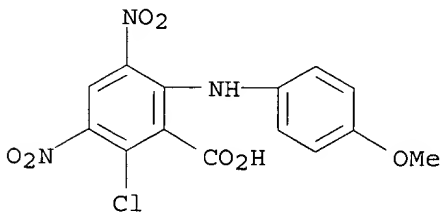

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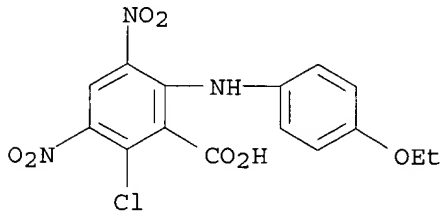

RN 99009-83-3 CAPLUS
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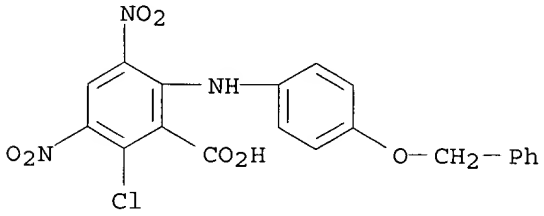

L7 ANSWER 21 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1985:523174 CAPLUS
DOCUMENT NUMBER: 103:123174
TITLE: Substituted aminobenzoates and their use
INVENTOR(S): Bailey, Denis M.
PATENT ASSIGNEE(S): Sterling Drug, Inc., USA
SOURCE: U.S., 6 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4515980	A	19850507	US 1983-512843	19830711 <--
US 4629735	A	19861216	US 1985-691823	19850116 <--

PRIORITY APPLN. INFO.: US 1983-512843 19830711
OTHER SOURCE(S): CASREACT 103:123174
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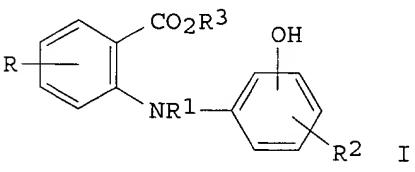
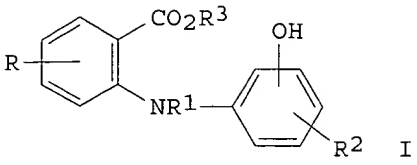


I

Golam Shameem



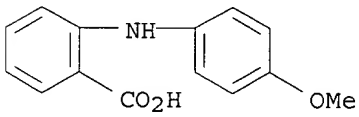
I

AB The lipoxygenase inhibiting aminobenzoate I (R = alkoxy; R1 = H, alkyl; R2 = H, alkyl, halo, R3 = alkyl) were prepd. as antiasthmatic agents. Thus, o-MeOC6H4NHC6H4CO2H-o, prepd. from o-ClC6H4CO2H and o-MeOC6H4NH2, was treated with Cl2CO to give N-(2-methoxyphenyl)isatoic anhydride, which was cleaved by Et2Zn and the resulting o-MeOC4H4NHC4H4CO2Et-o demethylated by BBr3 to give I (R-R2 = H, R3 = Et, OH in 2-position) (II). II inhibited in vitro lipoxygenase formation by 95%.

IT **13501-67-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of, with phosgene)

RN 13501-67-2 CAPLUS

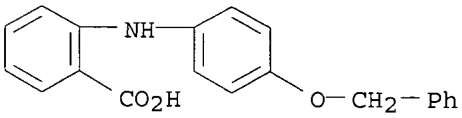
CN Benzoic acid, 2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



IT **21971-19-7**
RL: RCT (Reactant); RACT (Reactant or reagent)
(hydrogenation of)

RN 21971-19-7 CAPLUS

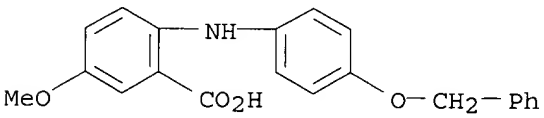
CN Benzoic acid, 2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



IT **54197-69-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and cyclization with phosgene)

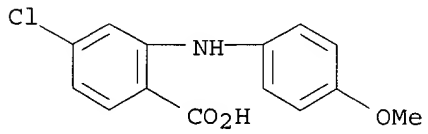
RN 54197-69-2 CAPLUS

CN Benzoic acid, 5-methoxy-2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)

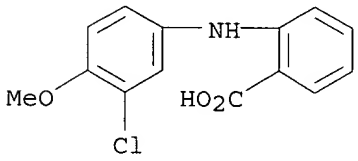


IT **91-38-3P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

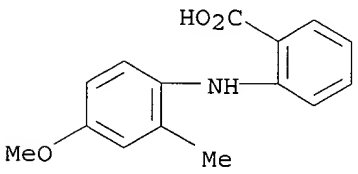
(prepn. and demethylation of)
RN 91-38-3 CAPLUS
CN Benzoic acid, 4-chloro-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



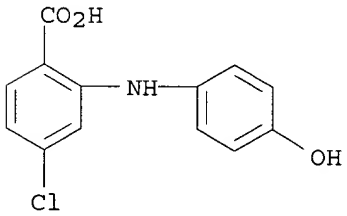
IT **94631-72-8P 94631-74-0P 94631-92-2P**
98156-62-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and esterification of)
RN 94631-72-8 CAPLUS
CN Benzoic acid, 2-[(3-chloro-4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



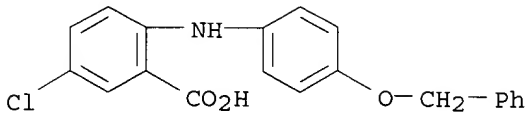
RN 94631-74-0 CAPLUS
CN Benzoic acid, 2-[(4-methoxy-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



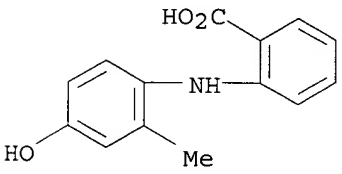
RN 94631-92-2 CAPLUS
CN Benzoic acid, 4-chloro-2-[(4-hydroxyphenyl)amino]- (9CI) (CA INDEX NAME)



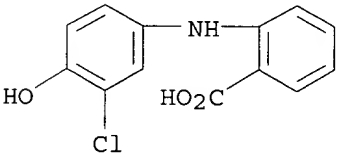
RN 98156-62-8 CAPLUS
CN Benzoic acid, 5-chloro-2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



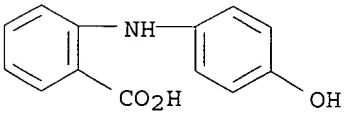
IT **56511-72-9P 94631-84-2P 98156-55-9P**
98156-58-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 56511-72-9 CAPLUS
CN Benzoic acid, 2-[(4-hydroxy-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



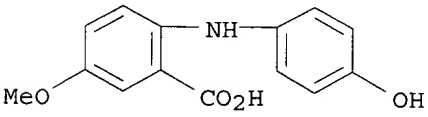
RN 94631-84-2 CAPLUS
CN Benzoic acid, 2-[(3-chloro-4-hydroxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 98156-55-9 CAPLUS
CN Benzoic acid, 2-[(4-hydroxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 98156-58-2 CAPLUS
CN Benzoic acid, 2-[(4-hydroxyphenyl)amino]-5-methoxy- (9CI) (CA INDEX NAME)

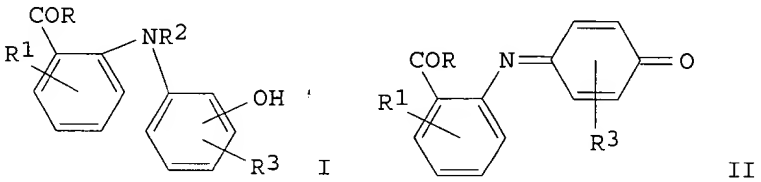


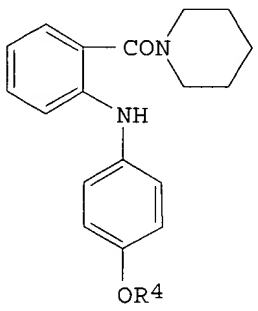
L7 ANSWER 22 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1985:471072 CAPLUS
DOCUMENT NUMBER: 103:71072

TITLE: Substituted aminobenzamides and their use as agents which inhibit lipoxygenase activity
INVENTOR(S): Bailey, Denis M.
PATENT ASSIGNEE(S): Sterling Drug, Inc., USA
SOURCE: U.S., 9 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4510139	A	19850409	US 1984-568870	19840106 <--
US 4549016	A	19851022	US 1985-690013	19850109 <--

PRIORITY APPLN. INFO.: US 1984-568870 19840106
OTHER SOURCE(S): CASREACT 103:71072
GI



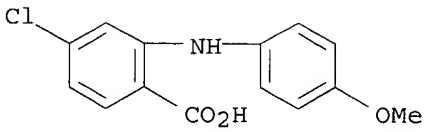


III

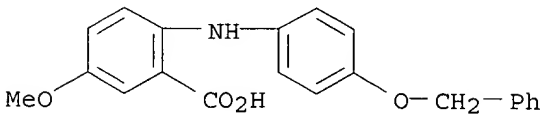
AB Title compds. I and II [R = NH2, (di)alkylamino, NHCH2Ph, (un)alkylated cycloalkylamino, pyrrolidino, piperidino, morpholino; R1 = H, halo, alkyl, alkoxy; R2 = H, alkyl; R3 = H, alkyl, halo] were prepd. Thus, 2-ClC6H4CO2H was aminated by 4-MeOC6H4NH2 to give 4-MeOC6H4NH2C6H4CO2H-2 (V). V was treated with EtO2CCl to give the cyclic amide, which reacted with piperidine to form anilinobenzoylpyridine III (R4 = Me). This was demethylated with BBr3 to give III (R = H) (IV). IV gave 48% inhibition of immunol.-induced bronchoconstriction in guinea pigs at 0.1 mg/kg i.v. (the highest sol. dose).

IT **91-38-3P 54197-69-2P 76206-20-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and anhydride formation from)

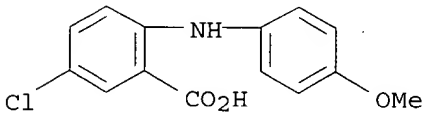
RN 91-38-3 CAPLUS
CN Benzoic acid, 4-chloro-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



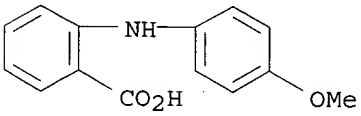
RN 54197-69-2 CAPLUS
CN Benzoic acid, 5-methoxy-2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



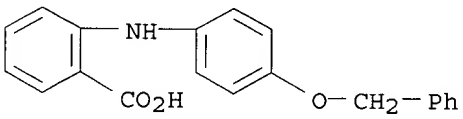
RN 76206-20-7 CAPLUS
CN Benzoic acid, 5-chloro-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



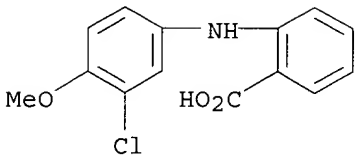
IT **13501-67-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of)
RN 13501-67-2 CAPLUS
CN Benzoic acid, 2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



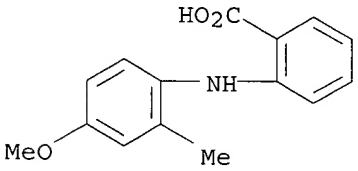
IT **21971-19-7P 94631-72-8P 94631-74-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 21971-19-7 CAPLUS
CN Benzoic acid, 2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



RN 94631-72-8 CAPLUS
CN Benzoic acid, 2-[(3-chloro-4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



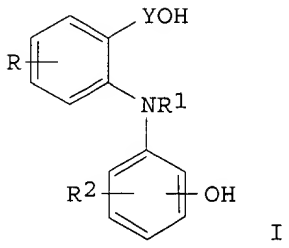
RN 94631-74-0 CAPLUS
CN Benzoic acid, 2-[(4-methoxy-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 23 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1985:78545 CAPLUS
DOCUMENT NUMBER: 102:78545
TITLE: Phenylaminobenzenealkanols
INVENTOR(S): Schlegel, Donald Charles; Bell, Malcolm Rice
PATENT ASSIGNEE(S): Sterling Drug, Inc., USA
SOURCE: Eur. Pat. Appl., 26 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
EP 122518	A1	19841024	EP 1984-103379	19840327	<--
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE					
US 4496590	A	19850129	US 1983-485936	19830418	<--
ZA 8402202	A	19841031	ZA 1984-2202	19840326	<--
AU 8426363	A1	19841025	AU 1984-26363	19840403	<--
NO 8401426	A	19841019	NO 1984-1426	19840410	<--
FI 8401433	A	19841019	FI 1984-1433	19840411	<--
ES 531550	A1	19851201	ES 1984-531550	19840412	<--
DK 8401919	A	19841019	DK 1984-1919	19840413	<--
JP 60034934	A2	19850222	JP 1984-75684	19840413	<--

PRIORITY APPLN. INFO.: US 1983-485936 19830418
OTHER SOURCE(S): CASREACT 102:78545
GI



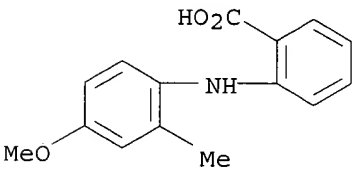
I

AB Several title compds. I (R = H, alkyl, alkoxy, halo; R1 = H, alkyl; R2 = H, alkyl, halo; Y = CnH2n with n = 1, 2), antiasthmatics, were prepd. Thus, 2,5-Br(MeO)C6H3CO2H, 4-PhCH2OC6H4NH2.cntdot.HCl, K2CO3, and activated Cu powder were refluxed in amyl alc. for 4.5 h to give 2-(4-benzyloxyphenylamino)-5-methoxybenzoic acid. The last was reduced with LiAlH4, than hydrogenolyzed in the presence of Pd/C to give I (R = 5-MeO, R1 = R2 = H, Y = CH2, OH at the 4-position) (II). Compds. of structure I inhibited lipoxygenase activity in biol. systems and acted as antiasthmatic agents. Thus, the E.D.50 of II in guinea pigs was 0.13 mg/kg.

IT **94631-74-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(demethylation of)

RN 94631-74-0 CAPLUS

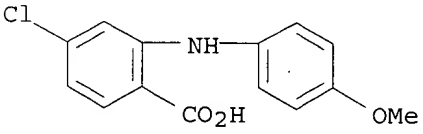
CN Benzoic acid, 2-[(4-methoxy-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



IT **91-38-3P 76206-20-7P 94631-72-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and deetherification of)

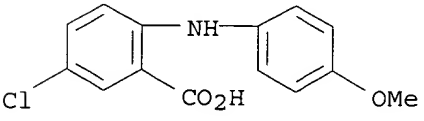
RN 91-38-3 CAPLUS

CN Benzoic acid, 4-chloro-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)

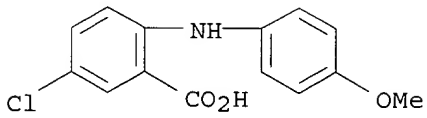


RN 76206-20-7 CAPLUS

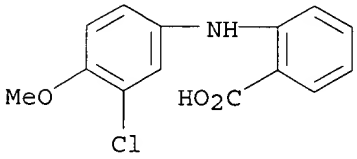
CN Benzoic acid, 5-chloro-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



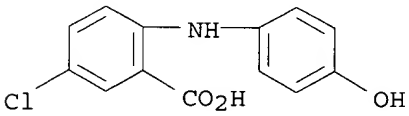
Golam Shameem



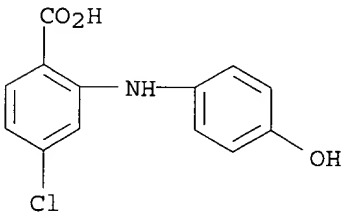
RN 94631-72-8 CAPLUS
CN Benzoic acid, 2-[(3-chloro-4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



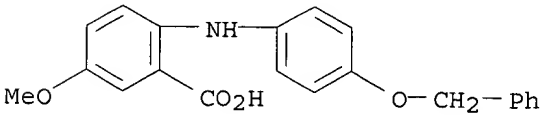
IT **94631-89-7P 94631-92-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and hydride redn. of)
RN 94631-89-7 CAPLUS
CN Benzoic acid, 5-chloro-2-[(4-hydroxyphenyl)amino]- (9CI) (CA INDEX NAME)

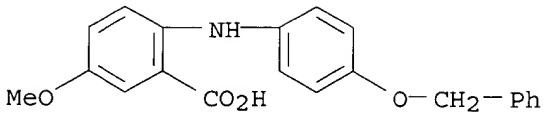


RN 94631-92-2 CAPLUS
CN Benzoic acid, 4-chloro-2-[(4-hydroxyphenyl)amino]- (9CI) (CA INDEX NAME)

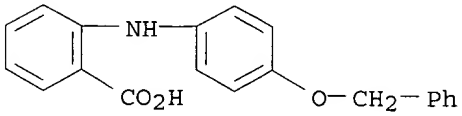


IT **54197-69-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of)
RN 54197-69-2 CAPLUS
CN Benzoic acid, 5-methoxy-2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)

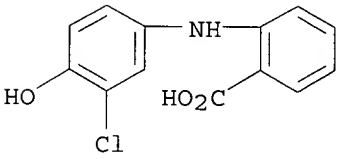




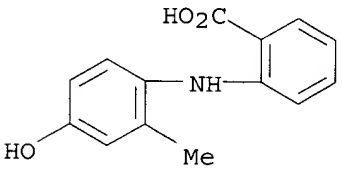
IT **21971-19-7P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reactions of)
RN 21971-19-7 CAPLUS
CN Benzoic acid, 2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



IT **94631-84-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and redn. of)
RN 94631-84-2 CAPLUS
CN Benzoic acid, 2-[(3-chloro-4-hydroxyphenyl)amino]- (9CI) (CA INDEX NAME)



IT **56511-72-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 56511-72-9 CAPLUS
CN Benzoic acid, 2-[(4-hydroxy-2-methylphenyl)amino]- (9CI) (CA INDEX NAME)



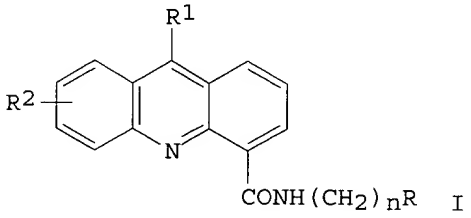
L7 ANSWER 24 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1984:138978 CAPLUS
DOCUMENT NUMBER: 100:138978
TITLE: Acridinecarboxamide compounds
INVENTOR(S): Atwell, Graham John; Baguley, Bruce Charles; Denny, William Alexander; Rewcastle, Gordon William
PATENT ASSIGNEE(S): Development Finance Corp. of New Zealand, N. Z.

SOURCE: Eur. Pat. Appl., 49 pp.
CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 98098	A2	19840111	EP 1983-303610	19830622 <--
EP 98098	A3	19850502		
EP 98098	B1	19890208		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
US 4590277	A	19860520	US 1983-506335	19830621 <--
JP 59007171	A2	19840114	JP 1983-112595	19830622 <--
AT 40688	E	19890215	AT 1983-303610	19830622 <--

PRIORITY APPLN. INFO.: NZ 1982-201084 19820625
EP 1983-303610 19830622

GI



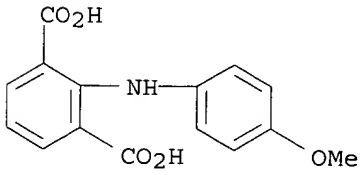
I

AB Acridinecarboxamides I [R = amino, C(:NH)NH2, NHC(:NH)NH2; R1 = H, Me, amino; R2 = H, Me, OMe, halogen, CF3, NO2, NH2, NHAc, NHCO2Me; n = 2-6] were prepd. Thus 2-ClC6H4CO2H was treated with 2-H2NC6H4CO2H to give (2-HO2CC6H4)2NH which was cyclized with acid to 9-oxo-10H-acridine-4-carboxylic acid (II). Chlorination of II gave 9-chloroacridine-4-carbamyl chloride which was treated with Me2NCH2CH2NH2 to give I (R = NMe2, R1 = Cl, R2 = H, n = 2, III). III was treated with PhOH and NH3 to give I (R = NMe2, R1 = NH2, R2 = H, n = 2), of which had an optimal dose against leukemia P388 in mice of 4.5 mg/kg.

IT **89459-40-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of)

RN 89459-40-5 CAPLUS

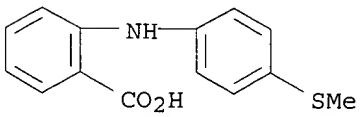
CN 1,3-Benzenedicarboxylic acid, 2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 25 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1984:103383 CAPLUS
DOCUMENT NUMBER: 100:103383
TITLE: Quinazolinone derivatives and their use in pharmaceuticals
INVENTOR(S): Opitz, Wolfgang; Jacobi, Haireddin; Pelster, Bernhard
PATENT ASSIGNEE(S): Troponwerke G.m.b.H. und Co. K.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 27 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3220438	A1	19831201	DE 1982-3220438	19820529 <--
US 4539402	A	19850903	US 1983-492775	19830509 <--
EP 95641	A1	19831207	EP 1983-104794	19830516 <--
EP 95641	B1	19870729		
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
AT 28647	E	19870815	AT 1983-104794	19830516 <--
JP 59042385	A2	19840308	JP 1983-92639	19830527 <--

PRIORITY APPLN. INFO.: DE 1982-3220438 19820529
EP 1983-104794 19830516
OTHER SOURCE(S): CASREACT 100:103383
GI For diagram(s), see printed CA Issue.
AB Title compds. I [Z forms an unsubstituted imidazo, dihydroimidazo, dihydropyrimido, or benzimidazo ring(s); R = haloalkyl, alkylthio, alkylsulfinyl, alkylsulfonyl, NO2, (un)substituted amino] were prepd. and had antiphlogistic and analgesic activity. Thus, 2-(3-O2NC6H4NH)C6H4CO2H was treated with PCl5, then 2-methylthio-2-imidazoline to give the dihydroimidazoquinazolinone II, which had an ED50 of 1.3 mg/kg against carrageenan-induced edema and an ED50 of 0.5 mg/kg as a sedative.
IT **35958-19-1**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with phosphorus pentachloride)
RN 35958-19-1 CAPLUS
CN Benzoic acid, 2-[[4-(methylthio)phenyl]amino]- (9CI) (CA INDEX NAME)

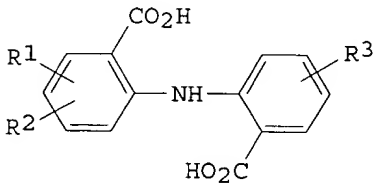


L7 ANSWER 26 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1982:411857 CAPLUS
DOCUMENT NUMBER: 97:11857
TITLE: Agent for treating peptic ulcers
INVENTOR(S): Tanemura, M.; Yamazaki, T.; Mizuno, K.; Kaiho, S.; Kakimoto, M.; Hoshino, E.; Matsunaga, I.; Hata, S.
PATENT ASSIGNEE(S): Chugai Pharmaceutical Co., Ltd. , Japan
SOURCE: Belg., 14 pp.
CODEN: BEXXAL
DOCUMENT TYPE: **Patent**
LANGUAGE: French

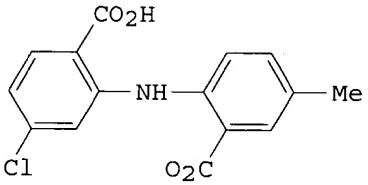
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
BE 891278	A1	19820316	BE 1981-206680	19811127	<--
JP 57091914	A2	19820608	JP 1980-166662	19801128	<--
US 4447453	A	19840508	US 1981-322182	19811117	<--
ZA 8108066	A	19821124	ZA 1981-8066	19811120	<--
DK 8105277	A	19820529	DK 1981-5277	19811127	<--
EP 53379	A1	19820609	EP 1981-109971	19811127	<--
R: BE, CH, DE, FR, GB, IT, NL, SE					
DE 3147133	A1	19820616	DE 1981-3147133	19811127	<--

PRIORITY APPLN. INFO.: JP 1980-166662 19801128
GI



I



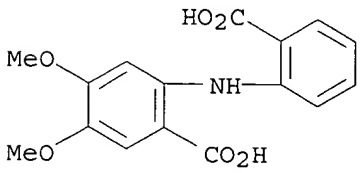
II

AB Aminobenzoic acid derivs. (I, R1, R2, or R3 = H, alkyl, alkoxy, or halogen) were prepd. having very low toxicity and high antiulcer activity. Thus, tablets were prepd. contg. II Na salt [82050-63-3] 100, lactose 46, cryst. cellulose 27, corn starch 5, and Mg stearate 2 g. Tablets (180 mg) were effective in ulcer treatment. The antiulcer potency of the aminobenzoates was tested in rats. I can be administered orally (250-750 mg/day) or i.v. (50-150 mg/day).

IT **82050-53-1P**
RL: PREP (Preparation)
(prepn. of, for peptic ulcer treatment)

RN 82050-53-1 CAPLUS

CN Benzoic acid, 2-[(2-carboxyphenyl)amino]-4,5-dimethoxy- (9CI) (CA INDEX NAME)



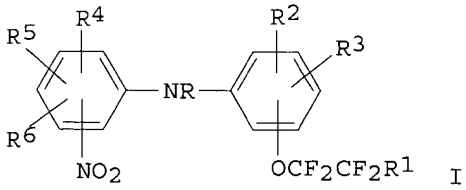
L7 ANSWER 27 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1982:34813 CAPLUS
DOCUMENT NUMBER: 96:34813
TITLE: Benzenamines and fungicide and anticoccidial compositions containing them
INVENTOR(S): Clinton, Albert James
PATENT ASSIGNEE(S): Lilly, Eli, and Co. , USA
SOURCE: Eur. Pat. Appl., 58 pp.

CODEN: EPXXDW
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
EP 33580	A1	19810812	EP 1981-300056	19810107	<--
EP 33580	B1	19840725			
R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE					
US 4304791	A	19811208	US 1980-110308	19800108	<--
US 4311710	A	19820119	US 1980-110307	19800108	<--
IL 61776	A1	19840531	IL 1980-61776	19801221	<--
ZA 8100054	A	19820825	ZA 1981-54	19810105	<--
AU 8166011	A1	19810716	AU 1981-66011	19810106	<--
AU 542357	B2	19850221			
FI 8100024	A	19810709	FI 1981-24	19810107	<--
DK 8100049	A	19810709	DK 1981-49	19810107	<--
FI 8100025	A	19810709	FI 1981-25	19810107	<--
GB 2070590	A	19810909	GB 1981-385	19810107	<--
GB 2070590	B2	19841031			
ES 498357	A1	19820901	ES 1981-498357	19810107	<--
HU 24408	O	19830228	HU 1981-29	19810107	<--
HU 182281	B	19831228			
CS 221812	P	19830429	CS 1981-128	19810107	<--
CA 1160246	A1	19840110	CA 1981-368023	19810107	<--
HU 29388	O	19840130	HU 1981-30	19810107	<--
HU 187757	B	19860228			
CA 1164339	A1	19840327	CA 1981-368024	19810107	<--
AT 8617	E	19840815	AT 1981-300056	19810107	<--
CS 232712	B2	19850214	CS 1981-129	19810107	<--
JP 56100746	A2	19810812	JP 1981-2014	19810108	<--
JP 02049297	B4	19901029			
DD 157254	C	19821027	DD 1981-226881	19810108	<--
DD 157292	C	19821103	DD 1981-226883	19810108	<--
PL 124733	B1	19830228	PL 1981-229119	19810108	<--
RO 81684	P	19830429	RO 1981-103091	19810108	<--
PL 127027	B1	19830930	PL 1981-229118	19810108	<--

PRIORITY APPLN. INFO.:
US 1980-110307 19800108
US 1980-110308 19800108
EP 1981-300056 19810107

GI



I

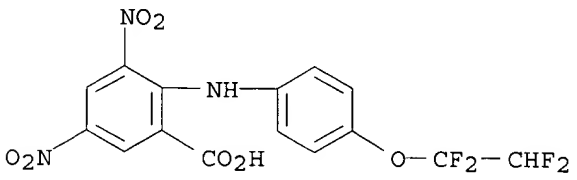
AB Diphenylamines I (R = H, alkyl; R1 = H, F; R2, R3 = H, halo; R4 = H, CF3, cyano, alkyl, CO2H, carbalkoxy; R5 = H, halo, NO2, OH, OMe, NH2; R6 = H, NO2) exhibited fungicidal and anticoccidial activity and they were prepd. from the resp. (polyfluoroethoxy)anilines. Thus, 4-(F2CHCF2O)C6H4NH2 was

treated with 6,2,4-F3C(O2N)2C6H2Cl and Et3N to give 6,2,4-F3C(O2N)2C6H2NHC6H4(OCF2CHF2)-4.

IT **79930-82-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 79930-82-8 CAPLUS

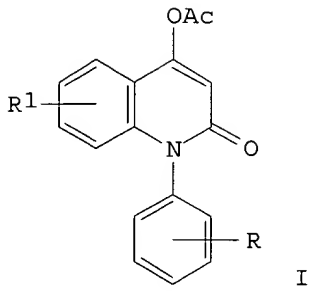
CN Benzoic acid, 3,5-dinitro-2-[[4-(1,1,2,2-tetrafluoroethoxy)phenyl]amino]-(9CI) (CA INDEX NAME)



L7 ANSWER 28 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1978:509139 CAPLUS
DOCUMENT NUMBER: 89:109139
TITLE: Quinolone derivatives
INVENTOR(S): Schacht, Erich; Dahm, Hans; Lissner, Reinhard
PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Fed. Rep. Ger.
SOURCE: Ger. Offen., 13 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
DE 2651581	A1	19780518	DE 1976-2651581	19761112	<--
US 4168312	A	19790918	US 1977-849585	19771108	<--
BE 860707	A1	19780510	BE 1977-182529	19771110	<--
SE 7712725	A	19780513	SE 1977-12725	19771110	<--
FR 2375215	A1	19780721	FR 1977-34039	19771110	<--
AU 7730546	A1	19790517	AU 1977-30546	19771110	<--
AU 510306	B2	19800619			
AT 7708039	A	19800915	AT 1977-8039	19771110	<--
AT 361928	B	19810410			
CA 1099721	A1	19810421	CA 1977-290590	19771110	<--
NL 7712447	A	19780517	NL 1977-12447	19771111	<--
JP 53063387	A2	19780606	JP 1977-136152	19771111	<--
ZA 7706752	A	19780927	ZA 1977-6752	19771111	<--
ES 464068	A1	19790101	ES 1977-464068	19771111	<--
GB 1547729	A	19790627	GB 1977-47125	19771111	<--
HU 175130	P	19800528	HU 1977-ME2121	19771111	<--

PRIORITY APPLN. INFO.: DE 1976-2651581 19761112
GI



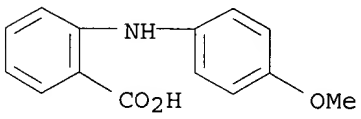
I

AB The quinolones I (R = R1 = H, F, Cl, Br, CF3, MeO) were prepd. for use as antithrombotics at 10-5000 mg. Thus, 2-(4-MeOC6H4NH)C6H4CO2H was heated with AcOH and Ac2O to give I (R = 4-MeO, R1 = H).

IT **13501-67-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of, with acetic anhydride)

RN 13501-67-2 CAPLUS

CN Benzoic acid, 2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 29 OF 42 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1977:520393 CAPLUS
DOCUMENT NUMBER: 87:120393
TITLE: 2,2,4-Trimethylpentyl N-1-naphthylanthranilate
INVENTOR(S): Braid, Milton
PATENT ASSIGNEE(S): Mobil Oil Corp., USA
SOURCE: U.S., 6 pp. Division of U.S. 3,856,690.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4021470	A	19770503	US 1974-519368	19741030 <--
US 3856690	A	19741224	US 1973-337185	19730301 <--

PRIORITY APPLN. INFO.: US 1971-126891 19710322
US 1973-337185 19730301

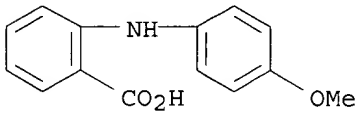
AB The title compd. [55290-87-4] and other N-naphthylanthranilates are useful as antioxidants for lubricating oils. Thus, a synthetic ester lubricating oil (prepd. by treating pentaerythritol [115-77-5] with an equimolar mixt. of C5 and C9 carboxylic acids) contg. 1 wt.% of the title compd. (prepd. by treating N-1-naphthylanthraniloyl chloride [55290-88-5] with 2,2,4-trimethyl-1-pentanol [123-44-4] in C6H6) showed an increase of 11% in the viscosity at 100.degree.F neutralization and an increase in acid no. of 0.76 unit on oxidn. with air (5L/h) for 24 h at 425.degree.F in the presence of Fe, Cu, Al, and Pb. The increases were much higher when anthranilates not contg. the naphthyl group were tested (e.g., Me

anthranilate [134-20-3]).

IT **13501-67-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(esterification of, with octanol)

RN 13501-67-2 CAPLUS

CN Benzoic acid, 2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 30 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1977:454445 CAPLUS
DOCUMENT NUMBER: 87:54445
TITLE: Colored copolyesters
INVENTOR(S): Le Pape, Alain
PATENT ASSIGNEE(S): Ugine Kuhlmann, Fr.
SOURCE: Ger. Offen., 33 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
DE 2647426	A1	19770428	DE 1976-2647426	19761020	<--
FR 2328728	A1	19770520	FR 1975-32448	19751023	<--
FR 2328728	B1	19790504			
US 4049376	A	19770920	US 1976-729749	19761006	<--
BR 7606930	A	19770830	BR 1976-6930	19761015	<--
NL 7611638	A	19770426	NL 1976-11638	19761021	<--
BE 847584	A1	19770422	BE 1976-171751	19761022	<--
JP 52084281	A2	19770713	JP 1976-127147	19761022	<--
GB 1528346	A	19781011	GB 1976-43870	19761022	<--

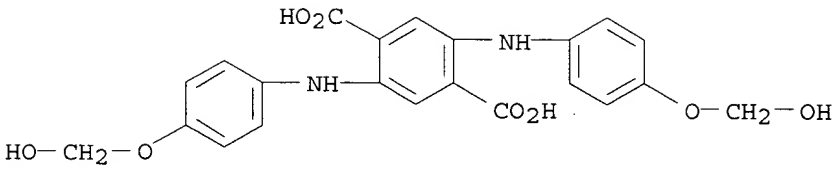
PRIORITY APPLN. INFO.: FR 1975-32448 19751023

AB Naphthalimide, quinacridone, naphthoylenebenzimidazole, and dioxazine dyes contg. two HOCH2CH2, HOCH2O, or CO2Et groups are copolycondensed with di-Me terephthalate (I) and HOCH2CH2OH (II) to give colored polyesters which can be spun or used for mass dyeing. Thus, I 100, II 100, MeOH 5, and Cd(OAc)2 0.04 part was heated to 220.degree. while distg. MeOH, 0.02 part (BuO)4 Ti and 0.5 part N-(hydroxyethyl)-4-(hydroxyethylamino)-1,8-naphthalimide added, and the mixt. heated at 230-40.degree. and finally at 275.degree./0.05 torr to give copolyester (III) [63410-46-8] m. 255.degree. (pure poly(ethylene terephthalate) m. 254.degree.) which was spun to fluorescent yellow-green yarn with high color fastness. No color change was obsd. when III was heated under N for 5 h at 280.degree..

IT **63266-99-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and cyclization of)

RN 63266-99-9 CAPLUS

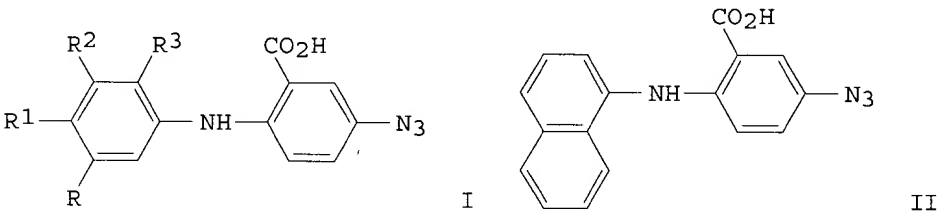
CN 1,4-Benzenedicarboxylic acid, 2,5-bis[[4-(hydroxymethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 31 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1976:600569 CAPLUS
DOCUMENT NUMBER: 85:200569
TITLE: Light-sensitive color-forming recording material
INVENTOR(S): Tsunoda, Takahiro; Ozutsumi, Minoru; Maeda, Shigeo; Suzuka, Susumu; Komiya, Hidetoshi
PATENT ASSIGNEE(S): Hodogaya Chemical Co., Ltd., Japan; Oji Paper Co., Ltd.
SOURCE: Ger. Offen., 28 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2539602	A1	19760325	DE 1975-2539602	19750905 <--
DE 2539602	B2	19770127		
DE 2539602	C3	19770915		
JP 51030723	A2	19760316	JP 1974-102911	19740909 <--
JP 52036697	B4	19770917		
US 4003747	A	19770118	US 1975-610400	19750904 <--

PRIORITY APPLN. INFO.: JP 1974-102911 19740909
GI

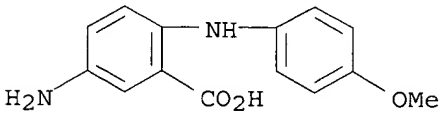


AB A light-sensitive color-forming recording material is described which consists of a support coated with a light-sensitive layer contg. a color-forming coupler, an azide I (R,R2 = H, Me; R1 = H, Cl, HO, MeO, Et2N, Me; (R3 = H, MeO) or II, and a binder. This material is esp. useful in prepg. photoresists and printing plates. Thus, a light-sensitive, color-forming soln. composed of II 1.5, 4-methoxy-1-naphthol 1.0, a cresol-modified novolak resin 5.0, and ethylene glycol monomethyl ether 6.5 parts was whirl-coated on a poly(ethylene terephthalate) film support, dried at 50.degree. to give a film thickness of 3.5 .mu., exposed to a neg. for 90 sec at 1 m using a 2 kW superhigh-pressure Hg lamp, and then deveoped with a 1.4% aq. Na3PO4 soln. to remove the nonexposed areas and

give a dark green relief image.

IT **61058-66-0**
RL: USES (Uses)
(diazotization and reaction of, with sodium azide)

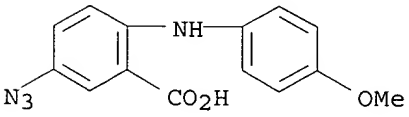
RN 61058-66-0 CAPLUS
CN Benzoic acid, 5-amino-2-[(4-methoxyphenyl)amino]-, hydrochloride (9CI) (CA INDEX NAME)



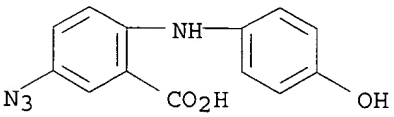
●x HCl

IT **58101-30-7 58211-75-9 61058-64-8**
RL: USES (Uses)
(photosensitive color-forming compns. contg. color-forming coupler, phenolic resin binder, and, for photoresists and printing plates)

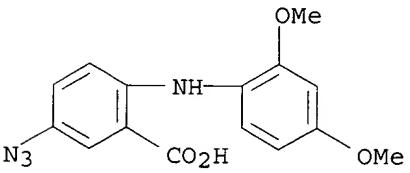
RN 58101-30-7 CAPLUS
CN Benzoic acid, 5-azido-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 58211-75-9 CAPLUS
CN Benzoic acid, 5-azido-2-[(4-hydroxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 61058-64-8 CAPLUS
CN Benzoic acid, 5-azido-2-[(2,4-dimethoxyphenyl)amino]- (9CI) (CA INDEX NAME)



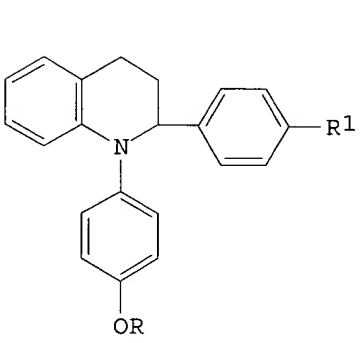
L7 ANSWER 32 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1976:446425 CAPLUS

DOCUMENT NUMBER: 85:46425
TITLE: 1,2-Diphenyl-1,2,3,4-tetrahydroquinoline compounds
INVENTOR(S): Bell, Malcolm R.
PATENT ASSIGNEE(S): Sterling Drug, Inc., USA
SOURCE: U. S. Publ. Pat. Appl. B, 18 pp. Division of U.S. 3,819,637.
CODEN: USXXDP
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

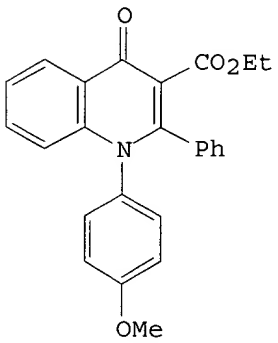
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 402162	A1	19760302	US 1973-402162	19731001 <--
US 3994902	A	19761130		
US 3819637	A	19740625	US 1971-156070	19710623 <--
US 4049715	A	19770920	US 1975-593166	19750703 <--

PRIORITY APPLN. INFO.: US 1971-156070 A3 19710623
US 1973-402162 A2 19731001

GI



I

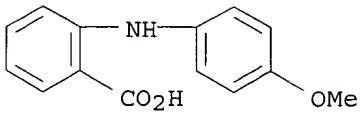


II

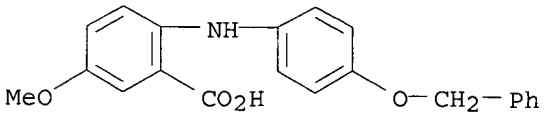
AB Tetrahydroquinolines I [R = Et2NCH2CH2, 2-(1-pyrrolidinyl)ethyl, R1 = H, Cl) were prepd. by aminoalkylation of I (R = H). I (R = H; R1 = H, Cl) were prepd. by several methods. Thus, 2-(4-methoxyphenoxy)quinoline was heated and the 1-(4-methoxyphenyl)carbostyryl hydrogenated followed by ring cleavage with PhLi and redn. to give o-(p-MeOC6H4)NHC6H4CH2CH2CHPhOH, which was cyclized with p-MeC6H4SO3H and the I (R = Me, R1 = H) cleaved with HBr to give I (R = R1 = H). I (R = Me, R1 = H) also was prepd. by treating N-(4-methoxyphenyl)isatoic anhydride with PhCOCH2CO2Et to give II, which was hydrolyzed, decarboxylated and reduced. At 50-100 mg/kg I prevented pregnancy in rats. At 4-128 mg/kg I were hypocholesterolemic.

IT **13501-67-2P 54197-69-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction with ethyl chloroformate)

RN 13501-67-2 CAPLUS
CN Benzoic acid, 2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 54197-69-2 CAPLUS
CN Benzoic acid, 5-methoxy-2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



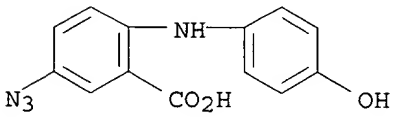
L7 ANSWER 33 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1976:52131 CAPLUS
DOCUMENT NUMBER: 84:52131
TITLE: Light-sensitive, color-forming recording material
INVENTOR(S): Tsunoda, Takahiro; Ozutsumi, Minoru; Maeda, Shigeo; Suzuka, Susumu; Komiya, Hidetoshi; Shinohara, Hideaki
PATENT ASSIGNEE(S): Hodogaya Chemical Co., Ltd., Japan; Oji Paper Co., Ltd.
SOURCE: Ger. Offen., 44 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
DE 2450430	A1	19750507	DE 1974-2450430	19741023	<--
DE 2450430	B2	19760311			
DE 2450430	C3	19781214			
JP 50070105	A2	19750611	JP 1973-119543	19731024	<--
JP 51016801	B4	19760527			
JP 51006718	A2	19760120	JP 1974-77407	19740708	<--
JP 52039290	B4	19771004			
US 4019907	A	19770426	US 1974-515571	19741017	<--
GB 1470340	A	19770414	GB 1974-45444	19741021	<--

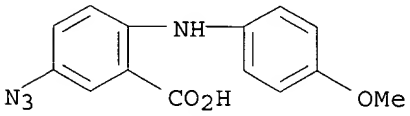
PRIORITY APPLN. INFO.: JP 1973-119543 19731024
JP 1974-77407 19740708

GI For diagram(s), see printed CA Issue.
AB A light-sensitive color-forming recording material composed of a support coated with a layer contg. an azide (I; R = H, alkoxycarbonyl, Me, MeCo, MeSO2, Et2NCO, aryloxysulfonyl, CO2H p-MeOC6H4O2C; R1 = Ph, substituted Ph, 1-naphthyl, substituted 1-naphthyl) and a resin is described. The material is esp. useful for the prepn. of photoresists or relief images for printing. Thus, a soln. contg. I (R = CO2H; R1 = p-MeC6H4) 5, a phenolic resin 8, cyclohexanone 30, and ethylene glycol monoethyl ether 60 parts was coated on a treated 1.0 mm Zn plate at 75 rpm, hot-air dried at 80.degree., exposed for 90 sec through a neg. original at 1 m using a 2-kw super high-pressure Hg lamp, developed in a 2% aq. Na metasilicate soln., and washed to give a hard, black relief image.
IT **58211-75-9**

RL: USES (Uses)
(photosensitive compns. contg. cresol resins and, for photoduplication)
RN 58211-75-9 CAPLUS
CN Benzoic acid, 5-azido-2-[(4-hydroxyphenyl)amino]- (9CI) (CA INDEX NAME)



IT **58101-30-7**
RL: USES (Uses)
(photosensitive compns. contg. phenolic resins and, for printing plates)
RN 58101-30-7 CAPLUS
CN Benzoic acid, 5-azido-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



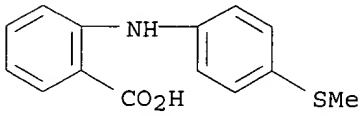
L7 ANSWER 34 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1976:43882 CAPLUS
DOCUMENT NUMBER: 84:43882
TITLE: Intermediates for preparing acridines
INVENTOR(S): Anderson, Elvin L.; Graboyes, Harold
PATENT ASSIGNEE(S): Smithkline Corp., USA
SOURCE: U.S., 6 pp. Division of U.S. 3,781,358.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3919312	A	19751111	US 1973-395483	19730910 <--
US 3625945	A	19711207	US 1968-732869	19680529 <--
US 3692834	A	19720919	US 1971-118976	19710225 <--
US 3781358	A	19731225	US 1972-267852	19720630 <--

PRIORITY APPLN. INFO.: US 1968-732869 19680529
US 1971-118976 19710225
US 1972-267852 19720630

GI For diagram(s), see printed CA Issue.
AB Successive reaction of 4-ClC6H4NHC6H4CO2H-2 with SOCl2 and 4-MeC6H4SO2NHNH2 gave 2-(4-ClC6H4NH)C6H4CONHNHSO2C6H4Me-4, which was refluxed with N2H4.H2O in EtOCH2CH2OH-H2O contg. NaOH to give the azine [2-(4-ClC6H4NH)C6H4CH:N]2; the latter underwent decompn.-cyclization in refluxing HOAc-HCl to give the acridine I (R = 2-Cl) (II). Alternately, acid catalyzed decompn.-cyclization of 2-(4-ClC6H4NH)C6H4CH:NNHCONH2 or 2-(4-ClC6H4NH)C6H4CH:NNHPh gave II. I (R = 2-CF3, 2-Bu, 4-Cl, 4-CF3, 1-Br, 2-Me, 4-MeO, 2-Me2NSO2, H) were prepd. similarly.
IT **35958-19-1**

RL: RCT (Reactant); RACT (Reactant or reagent)
(acyl chlorination and reaction with toluenesulfonylhydrazine)
RN 35958-19-1 CAPLUS
CN Benzoic acid, 2-[[4-(methylthio)phenyl]amino]- (9CI) (CA INDEX NAME)



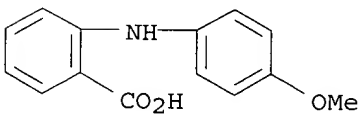
L7 ANSWER 35 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1975:413227 CAPLUS
DOCUMENT NUMBER: 83:13227
TITLE: Lubricant compositions containing derivatives of anthranilic acid
INVENTOR(S): Braid, Milton
PATENT ASSIGNEE(S): Mobil Oil Corp.
SOURCE: U.S., 6 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3856690	A	19741224	US 1973-337185	19730301 <--
US 4021470	A	19770503	US 1974-519368	19741030 <--

PRIORITY APPLN. INFO.: US 1971-126891 19710322
US 1973-337185 19730301

AB The prepn. of a lubricant antioxidant is described. Thus, 2,2,4-trimethylpentyl N-1-naphthylanthranilate [55290-87-4] is prepd. by refluxing and hot filtering a mixt. of 2-(1-naphthylamino)benzenecarbonyl chloride [55290-88-5] 8.1 and 2,2,4-trimethyl-1-pentanol [123-44-4] 4.7 g, in 100 ml C6H6. The filtrate is extracted with 10% KOH soln., water-washed, and dried. Solvent and unreacted alc. are removed by distn. The ester product was obtained from the residue as viscous yellow oil. The antioxidant is used in 1-5 wt.% concn. in lubricating oils as well as in synthetic ester lubricants, e.g. pentaerythritol esters of monocarboxylic acids.

IT **13501-67-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(esterification of)
RN 13501-67-2 CAPLUS
CN Benzoic acid, 2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 36 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1975:409490 CAPLUS

DOCUMENT NUMBER: 83:9490
TITLE: Control of helminths with 4-isothiocyanatodiphenylamines
INVENTOR(S): Brenneisen, Paul; Gallay, Jean J.; Margot, Alfred
PATENT ASSIGNEE(S): Ciba-Geigy Corp., USA
SOURCE: U.S., 8 pp. Division of U.S. 3,755,406 (CA 79;104909a).
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3839582	A	19741001	US 1973-362702	19730522 <--
US 3755406	A	19730828	US 1969-839653	19690707 <--

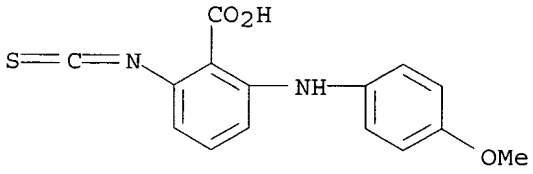
PRIORITY APPLN. INFO.: US 1969-839653 19690707

GI For diagram(s), see printed CA Issue.

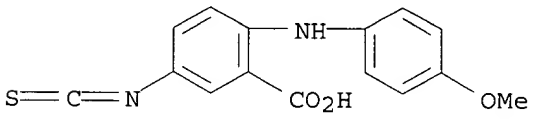
AB The prepn. and anthelmantic properties of 59 anilinophenyl isothiocyanates [I; R = e.g., 4-Cl, 4-MeS, 2,4-(NO2)2, 2-CO2H; R = H, allyl, Pr; x = 3, 4, 5] was described. Thus, reaction of 4-ClC6H4NHC6H4NH2-4 with CSCl2 gave I (R = Cl, R1 = H, x = 4), which was 100% effective in eliminating ascaridia galli from chickens at 500 mg/kg body wt.

IT **27163-15-1P 27163-16-2P 27188-07-4P**
RL: PREP (Preparation)
(manuf. of anthelmintic)

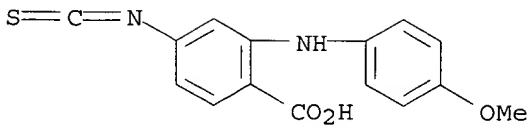
RN 27163-15-1 CAPLUS
CN Benzoic acid, 2-isothiocyanato-6-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 27163-16-2 CAPLUS
CN Benzoic acid, 5-isothiocyanato-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 27188-07-4 CAPLUS
CN Benzoic acid, 4-isothiocyanato-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 37 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1974:520496 CAPLUS
DOCUMENT NUMBER: 81:120496
TITLE: 1,2-Diphenyl-1,2,3,4-tetrahydroquinolines
INVENTOR(S): Bell, Malcolm R.
PATENT ASSIGNEE(S): Sterling Drug Inc.
SOURCE: U.S., 14 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

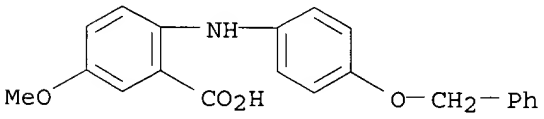
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3819637	A	19740625	US 1971-156070	19710623 <--
US 402162	A1	19760302	US 1973-402162	19731001 <--
US 3994902	A	19761130		
US 4049715	A	19770920	US 1975-593166	19750703 <--

PRIORITY APPLN. INFO.: US 1971-156070 A3 19710623
US 1973-402162 A2 19731001

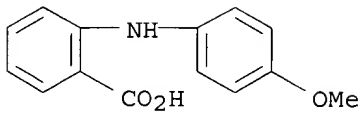
GI For diagram(s), see printed CA Issue.

AB Aminoethoxyphenylquinolines I (NR2 = pyrrolidino, NEt2; R1= H, Cl) were prepd. by aminoalkylating hydroxyphenyl-quinolines, prepd. by total synthesis from p-MeOC6H4OH, 2-chloroquinoline, and p-R1C6H4Li in 7 steps. I were contraceptive in rats at 50-100 mg/kg daily for 6 days and lowered blood cholesterol levels by 43-80% at 4-128 mg/kg orally in rats for 4 days.

IT **54197-69-2P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and reaction of, with chloroformate)
RN 54197-69-2 CAPLUS
CN Benzoic acid, 5-methoxy-2-[[4-(phenylmethoxy)phenyl]amino]- (9CI) (CA INDEX NAME)



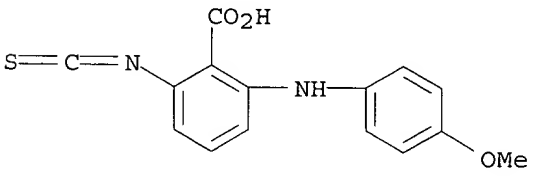
IT **13501-67-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with chloroformate)
RN 13501-67-2 CAPLUS
CN Benzoic acid, 2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



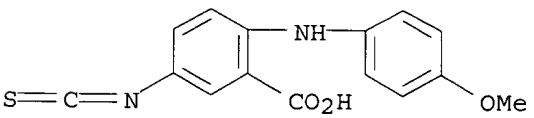
L7 ANSWER 38 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1973:504909 CAPLUS
DOCUMENT NUMBER: 79:104909
TITLE: Isothiocyanatodiphenylamines
INVENTOR(S): Brenneisen, Paul; Gallay, Jean J.; Margot, Alfred
PATENT ASSIGNEE(S): Ciba-Geigy Corp.
SOURCE: U.S., 7 pp.
CODEN: USXXAM
DOCUMENT TYPE: **Patent**
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3755406	A	19730828	US 1969-839653	19690707 <--
US 3839582	A	19741001	US 1973-362702	19730522 <--

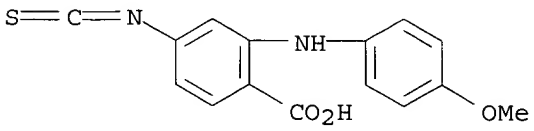
PRIORITY APPLN. INFO.: US 1969-839653 19690707
GI For diagram(s), see printed CA Issue.
AB About 60 isothiocyanatodiphenylamines (I) (R = H, Cl, NO2, CO2H, Me, etc.; R1 = Me, Pr, allyl; R2 = H, Me, NO2, CO2H; R3 position 3 or 4), useful as anthelmintics, were prepd. from the amines II by reaction with CSCl2 in inert solvents at 0-75.degree., with Et2NCSCl in PhCl at reflux, or with NH4SCN in PhCl at reflux in the presence of HCl. Some I were also prepd. by treating II with benzoyl isothiocyanate in Me2CO and decompg. the resulting thioureas by heating in PhCl.
IT **27163-15-1P 27163-16-2P 27188-07-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 27163-15-1 CAPLUS
CN Benzoic acid, 2-isothiocyanato-6-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 27163-16-2 CAPLUS
CN Benzoic acid, 5-isothiocyanato-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



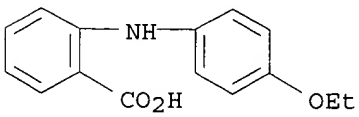
RN 27188-07-4 CAPLUS
CN Benzoic acid, 4-isothiocyanato-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



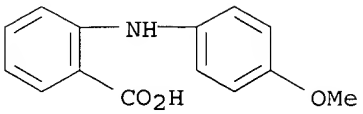
L7 ANSWER 39 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1973:29493 CAPLUS
DOCUMENT NUMBER: 78:29493
TITLE: Pharmacologically active substituted o-aminobenzoylhydrazines
PATENT ASSIGNEE(S): Ferlux
SOURCE: Fr. Demande, 35 pp.
CODEN: FRXXBL
DOCUMENT TYPE: **Patent**
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2104930	A1	19720428	FR 1970-32533	19700908 <--
FR 2104930	A5	19720428		
FR 2104930	B1	19740830		
CH 548988	A	19740515	CH 1971-12903	19710902 <--
DE 2144566	A	19720323	DE 1971-2144566	19710906 <--
BE 772296	A1	19720307	BE 1971-107896	19710907 <--
US 3814772	A	19740604	US 1971-178383	19710907 <--
NL 7112379	A	19720310	NL 1971-12379	19710908 <--
JP 48056644	A2	19730809	JP 1972-79048	19720807 <--

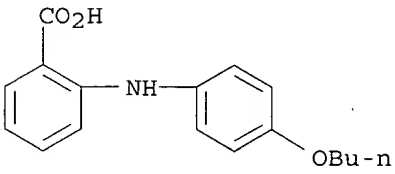
PRIORITY APPLN. INFO.: FR 1970-32533 19700908
GI For diagram(s), see printed CA Issue.
AB About 40 benzoylhydrazines (I; R = substituted phenyl, aralkyl, 3-furylmethyl, Bu, substituted benzoyl; R1 = H, Cl; R2 = H, Cl; R3 = H, Me, Cl), with analgesic activities in mice, are prepd. from the corresponding N-substituted anthranilic acids. The anthranilic acids react with COCl2 to form the isatoic anhydrides II which with N2H4 give I.
IT **13278-33-6 13501-67-2 39492-47-2**
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with phosgene)
RN 13278-33-6 CAPLUS
CN Benzoic acid, 2-[(4-ethoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 13501-67-2 CAPLUS
CN Benzoic acid, 2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 39492-47-2 CAPLUS
CN Benzoic acid, 2-[(4-butoxyphenyl)amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 40 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1972:448078 CAPLUS
DOCUMENT NUMBER: 77:48078
TITLE: Anthelmintic thioureas
INVENTOR(S): Spaun, Ruediger; Rochat, Alain C.; Gallay, Jean J.; Brenneisen, Paul
PATENT ASSIGNEE(S): Agripat S. A.
SOURCE: Ger. Offen., 41 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2143838	A	19720309	DE 1971-2143838	19710901 <--
CH 542828	A	19731130	CH 1970-13111	19700902 <--
CH 558367	A	19750131	CH 1970-19065	19701223 <--
US 3781290	A	19731225	US 1971-175723	19710827 <--
SE 380795	B	19751117	SE 1971-10949	19710830 <--
CA 973185	A1	19750819	CA 1971-121763	19710831 <--
NL 7112037	A	19720306	NL 1971-12037	19710901 <--
ZA 7105856	A	19720426	ZA 1971-5856	19710901 <--
FR 2105184	A1	19720428	FR 1971-31602	19710901 <--
FR 2105184	A5	19720428		
AU 7132959	A1	19730308	AU 1971-32959	19710901 <--
BR 7105771	A0	19730308	BR 1971-5771	19710901 <--
DD 100858	C	19731012	DD 1971-162561	19710901 <--
GB 1335881	A	19731031	GB 1971-40800	19710901 <--
HU 164555	P	19740328	HU 1971-AI197	19710901 <--
AT 315194	B	19740510	AT 1971-7612	19710901 <--
DK 129579	B	19741028	DK 1971-4304	19710901 <--
IL 37626	A1	19750210	IL 1971-37626	19710901 <--
ES 394693	A1	19750316	ES 1971-394693	19710901 <--
AT 321936	B	19750425	AT 1972-8689	19710901 <--
AT 321935	B	19750425	AT 1972-8688	19710901 <--
CS 169824	P	19760729	CS 1971-6267	19710901 <--

PL 90218	P	19770131	PL 1971-150294	19710901 <--
SU 470953	D	19750515	SU 1971-1839318	19710902 <--
SU 508184	D	19760325	SU 1971-1694851	19710902 <--
US 3898337	A	19750805	US 1973-405614	19731011 <--
US 3928437	A	19751223	US 1973-405619	19731011 <--

PRIORITY APPLN. INFO.: CH 1970-13111 19700902
CH 1970-19065 19701223
CH 1970-91065 19701223
US 1971-175723 19710827

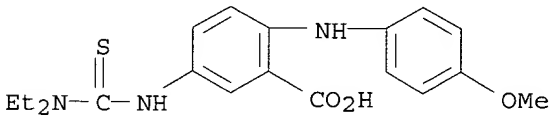
GI For diagram(s), see printed CA Issue.

AB The thioureas I (R = Me, Et, Pr, Bu, EtMeCH, hexyl; R1 = Me, Et, Pr, Bu, hexyl; R2 = H, NO2, Cl, MeO, MeCONH, HO, Ph, H2NSO2, Me, Me2N, NH2; X = O, S, NH) were prepd. from the corresponding isocyanates, R2C6H4XC6H4NCS, by treatment with RR1NH. Similarly prepd. were II (R = MeO, Me, NO2, Br, MeS, Et, Cl, NO2; R1 = Ph, Me EtO2C, HOCH2CH2, Et, Pr, Bu, Me2CH). I and II were useful as anthelmintic agents.

IT **36587-13-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 36587-13-0 CAPLUS

CN Benzoic acid, 5-[[(diethylamino)thioxomethyl]amino]-2-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 41 OF 42 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1972:72237 CAPLUS
DOCUMENT NUMBER: 76:72237
TITLE: 2-(Acylamino)-6-(arylamino)benzoic acids
INVENTOR(S): Fujimura, Hajime; Suzuki, Kenji; Asai, Masaru; Asano, Osamu
PATENT ASSIGNEE(S): Sanwa Chemical Laboratories
SOURCE: Ger. Offen., 20 pp.
CODEN: GWXXBX
DOCUMENT TYPE: **Patent**
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2128381	A	19711216	DE 1971-2128381	19710608 <--
DE 2128381	C3	19791129		
DE 2128381	B2	19790405		
JP 48017267	B4	19730528	JP 1970-49666	19700609 <--
US 3867437	A	19750218	US 1971-145468	19710520 <--
NL 7107358	A	19711213	NL 1971-7358	19710528 <--
SE 366542	B	19740429	SE 1971-7336	19710607 <--
GB 1320484	A	19730613	GB 1971-19492	19710608 <--
CH 555806	A	19741115	CH 1971-8576	19710608 <--

PRIORITY APPLN. INFO.: JP 1970-49666 19700609

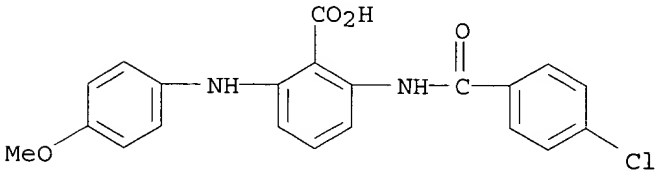
GI For diagram(s), see printed CA Issue.

AB Title compds. (I) were prepd. by reaction of N-acyl-6-haloanthranilic

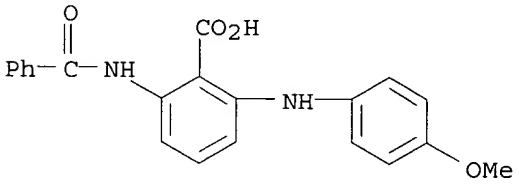
acids with corresponding amines RNH2 and used as purgatives. Thus, 2,6-I(BzNH)C6H3CO2H reacted with PhNH2 in aq. DMF in the presence of K2CO3 for 3 hr on a steam bath to give 80% I (R = R1 = Ph) (II). Similarly prepd. were 39 addnl. I, e.g. (R and R1 given): Ph, Me; Ph, PhCH:CH; p-MeOC6H4, p-ClC6H4; Ph, furyl; 2,3-Me2C6H3, Ph. The purgative activity of 40 I was tested in mice, e.g. ED50 of II was 23.0 mg/kg on i.p. administration and 64.0 mg/kg on oral administration. LD50 of II was 810 mg/kg on oral administration.

IT **35137-70-3P 35137-77-0P 35137-82-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

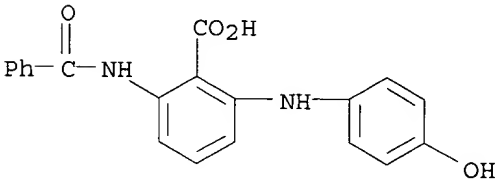
RN 35137-70-3 CAPLUS
CN Benzoic acid, 2-[(4-chlorobenzoyl)amino]-6-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 35137-77-0 CAPLUS
CN Benzoic acid, 2-(benzoylamino)-6-[(4-methoxyphenyl)amino]- (9CI) (CA INDEX NAME)



RN 35137-82-7 CAPLUS
CN Benzoic acid, 2-(benzoylamino)-6-[(4-hydroxyphenyl)amino]- (9CI) (CA INDEX NAME)



L7 ANSWER 42 OF 42 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1964:404111 CAPLUS
DOCUMENT NUMBER: 61:4111
ORIGINAL REFERENCE NO.: 61:617g-h,618a-f
TITLE: New fumaramic acid derivatives
INVENTOR(S): Schultz, Everett M.

PATENT ASSIGNEE(S): Merck & Co.
SOURCE: 28 pp.
DOCUMENT TYPE: **Patent**
LANGUAGE: Unavailable
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
BE 628135		19630807	BE		<--
FR M2763			FR		
GB 1021858			GB		
US 3277165		1966	US		<--

PRIORITY APPLN. INFO.: US 19620208

AB The title compds. increased uric acid excretion, inhibited penicillin excretion in renal tubules and biosynthesis of cholesterol in vitro, and decreased the incidence and seriousness of arteriosclerotic plates in the thoracic aorta of estrogen-treated chickens. These compds., contg. 1 or 2 asym. C atoms, yielded easily sepd. racemic mixts., or diastereoisomeric racemic mixts. The racemates were normally not sepd., but used as such. p-Chlorophenylacetone (I) (146.6 g.) alkylated with 161 g. p-chlorobenzyl chloride (II) in the presence of NaOH gave 64% 3,4-bis(p-chlorophenyl)-2-butanone (III), b0.75 177.degree.; 2,4-dinitrophenylhydrazone m. 154-5.degree.. III (135 g.) and 84 g. HCONH2 was refluxed 14 hrs. at 170.degree. with addn. of HCO2H to maintain an acid vapor, the mixt. cooled, extd. with C6H6, the benzene residue refluxed 8 hrs. with 65 ml. concd. HCl, added to 300 ml. H2O, and heated 30 min. at 80.degree. to yield 29 g. 3,4-bis(p-chlorophenyl)-2-aminobutane-HCl (IV), begins to carbonize at 265.degree., and 65 g. lower melting isomer (IVa) of IV, m. 184-6.degree.. Excess 20% NaOH soln. was added to 140 ml. aq. suspension of 10 g. IV, the free base extd. with Et2O, the Et2O ext. dried over K2CO3, and concd. to an oily residue, which in 45 ml. C6H6 was added to 4.88 g. Et fumaroyl chloride (V) in 10 ml. C6H6. After few min., 3.5 ml. Et3N was added, and the soln. agitated 1 hr. at 25.degree. to give 54% Et N-[1-methyl-2,3-bis(p-chlorophenyl)propyl] fumaramate (VI), m. 112-15.degree.. Sapon. of 19.8 g. VI in 50 ml. MeOH with 2.77 g. NaOH in 5.5 ml. H2O 13 hrs. at room temp. gave 71%. The free acid (VII) m. 101-9.degree.. IVa similarly treated yielded isomers of VI and VII. I (45 g.) and 44 g. PhCH2Cl gave 47.6 g. 3-p-chlorophenyl-4-phenyl-2-butanone, m. 80-1.degree., which gave 4.8 g. 3-p-chlorophenyl-4-phenyl-2-aminobutane-HCl (VIII), decompg. 240-50.degree., and 20.1 g. lower melting isomer of VIII, m. 196-8.degree.. VIII treated with V and then sapond. yielded Et N-(1-methyl-2-p-chlorophenyl-3-phenylpropyl)fumaramate and the free acid, resp. PhCH2Ac and II gave 44% 4-p-chlorophenyl-3-phenyl-2-butanone (IX), b0.3 148-51.degree., m. 78-9.degree.. IX gave diastereoisomers, 4-p-chlorophenyl-3-phenyl-2-aminobutane-HCl (X), m. 290-2.degree., and a lower melting isomer, m. 179-80.degree.. Similarly, X yielded EtN-(1-methyl-3-p-chlorophenyl-2-phenylpropyl)fumaramate and the free acid. 1-(o-Bromophenyl)-2-propanone and o-bromobenzyl chloride (XI) gave the 2 isomers of N-[1-methyl-2,3-bis(o-bromophenyl)propyl]fumaramic acid. m-Chlorophenylacetone and XI gave 4-o-bromophenyl-3-m-chlorophenyl-2-butanone which then gave the 2 isomers of 4-o-bromophenyl-3-m-chlorophenyl-2-aminobutane-HCl, from which were prepd. the 2 isomers of N-(1-methyl-3-o-bromophenyl-2-m-chlorophenylpropyl)fumaramic acid. AcCHPhCH2Ph (135 g.) gave isomeric mixt .of 3,4-diphenyl-2-aminobutane-HCl (XII), converted into 87 g. free base (XIII), b0.5 120-2.degree.. XIII (137 g.) gave 51 g. XII, m. 247-8.degree., and 71 g. lower melting isomer, m. 161-2.degree.. The 2 XIII isomers from XII yielded 2 Et N-(1-methyl-2,3-diphenylpropyl)fumaramates and 2 N-(1-methyl-2,3-diphenylpropyl)fumaramic acids. 2,3-Diphenyl-1-aminopropane-HCl and V

gave Et N-(2,3-diphenylpropyl)fumaramate, sapond. to the free acid. 3,3-Diphenyl-2-aminobutane and V gave Et N-(1-methyl-2,2-diphenylpropyl)fumaramate, sapond. to the free acid. .alpha.,.alpha.-Diphenyl-.beta.-methylbutyronitrile hydrogenated yielded 79% 2,2-diphenyl-3-methyl-1-aminobutane (XIV), b8 153-8.degree.; HBr salt m. 207-9.degree.. XIV gave Et N-(2,2-diphenyl-3-methylbutyl)fumaramate and the free acid. 1-Phenyl-2-benzyl-3-aminobutane-HCl, converted into its free base, b15 193-8.degree., gave Et N-(1-methyl-2-benzyl-3-phenylpropyl)fumaramate and the free acid. 1-Phenyl-3-hexanone (26.3 g.) gave 15 g. 1-phenyl-3-aminohexane-HCl, the free base of which, b25 142.degree., yielded Et N-(1-propyl-3-phenylpropyl)fumaramate and its free acid. 1,3-Diphenyl-1-aminopropane-HCl gave Et N-(1,3-diphenylpropyl)fumaramate and its free acid. A mixt. contg. 6.8 g. AcONa.3H2O and 6.9 g. NH2OH.HCl in 18 ml. H2O, and 15 g. 3,3,4-triphenyl-2-butanone in 100 ml. MeOH was refluxed 2 hrs. to yield 10.1 g. 3,3,4-triphenyl-2-butanone oxime (XV), m. 151-3.degree.. XV (10 g.) in 30 ml. abs. EtOH was hydrogenated to give 7.7 g. 3,3,4-triphenyl-2-aminobutane (XVI), a viscous oil which slowly crystd. XVI gave Et N-(1-methyl-2,2,3-triphenylpropyl)fumaramate and then its acid. To a stirred soln. contg. 4.5 g. fumaroyl chloride and 100 ml. Et2O, 4.5 g. NaHCO3 was added, followed by dropwise addn. of 3.63 g. MePhCHNH2 in 20 ml. Et2O, and the mixt. kept 16 hrs. at 25-30.degree. to yield 0.7 g. N-phenethylfumaramic acid, m. 200-1.degree..

IT **95620-79-4**, Terephthalic acid, 2,5-di-p-phenetidino-
(prepn. of)

RN 95620-79-4 CAPLUS

CN Terephthalic acid, 2,5-di-p-phenetidino- (7CI) (CA INDEX NAME)